

PVM-2130QM

RM-668

SERVICE MANUAL

AEP Model

Chassis No. SCC-A99A-A

Australian Model

Chassis No. SCC-B22A-A

West Germany Model

Chassis No. SCC-B19A-A



SPECIFICATIONS

Note: The service manuals for RM-668 have been issued separately.

Color system	PAL, SECAM, NTSC and NTSC _{4.43} systems, switched automatically	LINE A/B outputs (loop-through outputs)
Picture tube	Trinitron tube Approx. 54.5 cm (21 inches) (50.6 cm picture measured diagonally) 100-degree deflection, AG pitch 0.55 mm	VIDEO: BNC connector AUDIO: Phono jack
Resolution	Video input: 420 TV lines RGB inputs: 640 × 200 dots (2000 characters)	Monitor outputs VIDEO: BNC connector Composite video, 1 Vp-p AUDIO: Phono jack Less than 1 kilohm
Color temperature	9300°K	Digital RGB inputs RGB: D-sub 9-pin connector (See "Signal assignment".) AUDIO: Phono jack -5 dBs, more than 47 kilohms
Frequency response	10 MHz (-3 dB, RGB) 5 MHz (-3 dB, composite video)	AV connector 21-pin connector (See "Signal assignment".)
Horizontal linearity	Less than ±7%	Speaker terminals 8 ohms
Vertical linearity	Less than ±8%	Control S input/output Minijack, 5 Vp-p
Line pull range	Horizontal: + 500 Hz Vertical: -8 Hz	Power output 7 W + 7 W at 8 ohms
Overscan of the picture	Less than + 7%	Power requirements 220 - 240 V AC, 50/60 Hz
Convergence	Central area: within 1.0 mm Periphery: within 1.8 mm	Power consumption 140 W
LINE A/B, VTR inputs	VIDEO IN: LINE A/B: BNC connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm termination switchable VTR: 8-pin connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm terminated	Dimensions Approx. 516 × 409 × 482 mm (w/h/d) incl. projecting parts and controls
AUDIO IN:	LINE A/B: Phono jack -5 dBs, more than 47 kilohms VTR: 8-pin connector, -5 dBs, more than 47 kilohms	Weight Approx. 30.6 kg
		Supplied accessory Remote commander RM-668, with 2 R6 batteries..... 1
		Optional accessories TV stand SU-538, SU540 Speaker system SS-X6A, APM-X5A

— Continued on page 2 —

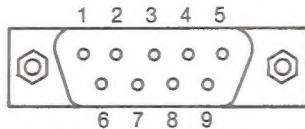
TRINITRON COLOR VIDEO MONITOR
SONY®



MON

SIGNAL ASSIGNMENT

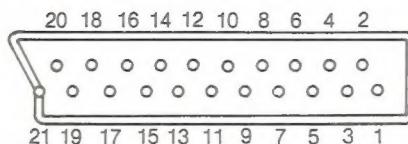
DIGITAL RGB connector
(D-sub 9-pin)



Digital signal (TTL level)

Pin No.	Signal assignment
1	Ground
2	Ground
3	Red input
4	Green input
5	Blue input
6	Intensity input
7	No connection
8	H. sync input (positive/negative)
9	V. sync input (positive/negative)

AV connector (21-pin)



Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
7	Blue input	0.7 V ±3 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5 – 12 V): Peri mode Low state (0 – 2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF

Pin No.	Signal	Signal level
9	Ground (green)	
10	Open	
11	Green input	(Same as Pin 7)
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input	High state (1 – 3 V) Low state (0 – 0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V ±3 dB, 75 ohms, positive Sync: 0.3 V (±3 dB)
20	Video input	1 V ±3 dB, 75 ohms, positive Sync: 0.3 V (±3 dB)
21	Common ground (plug, shield)	

* at 20 Hz – 20 kHz

Design and specifications subject to change without notice.

TROUBLESHOOTING

If these symptoms occur when you begin operation, follow the suggestions below.

SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

If the problem still cannot be solved, contract your authorized Sony dealer.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL		
1-1.	Location and Function of Parts and Control	4
1-2.	Operation	8
1-3.	System Connections.	9
2. DISASSEMBLY		
2-1.	Power Block Assy and Chassis Assy Removal	13
2-2.	Key Board Unit Removal	13
2-3.	Picture Tube Removal	14
3. SETUP ADJUSTMENTS		
3-1.	Beam Landing.	15
3-2.	Covergence.	16
3-3.	White Balance Adjustment	18
4. CIRCUIT ADJUSTMENTS		
4-1.	FA Boards Adjustment.	19
4-2.	D Boards Adjustment.	19
4-3.	HC Board Adjustment	20
4-4.	B Board Adjustment	20
4-5.	Safety Check Adjustment.	21
5. DIAGRAM		
5-1.	Circuit Boards Location	23
5-2.	Block Diagram	24
5-3.	Frame Schematic Diagram.	29
5-4.	Schematic Diagram and Printed Wiring Boards.	34
5-5.	Semiconductors	63
6. EXPLODED VIEWS		
6-1.	Picture Tube.	65
6-2.	Chassis	66
6-3.	Back Cover.	67
6-4.	Key Board Unit.	68
7. ELECTRICAL PARTS LIST 69		

SAFETY-RELATED COMPONENT WARNING !!

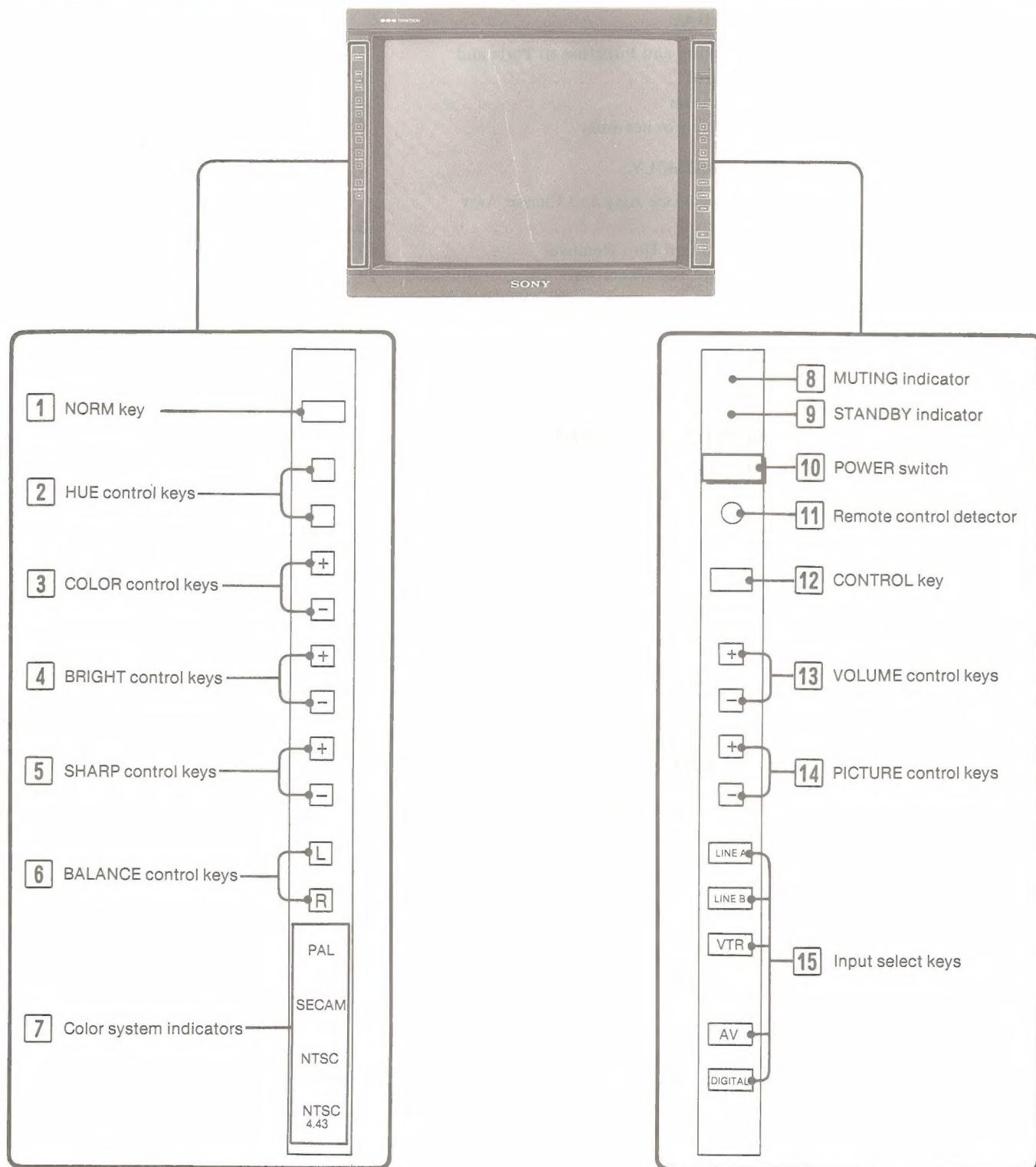
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1

GENERAL

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROL

FRONT PANEL



• Press CONTROL key after power is turned on to illuminate the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

[1] NORM (normal) key

Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.

[2] HUE control keys

Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.
• These control keys are effective for the NTSC and NTSC_{4,43} color systems only.

[3] COLOR control keys

Press the + key to make the color intensity vivid or the – key to make it pale.

[4] BRIGHT (brightness) control keys

Press the + key to make the picture brighter or the – key to make it darker.

[5] SHARP (sharpness) control keys

Press the + key to obtain a sharp picture or the – key to obtain a soft picture.

[6] BALANCE control keys

Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

[7] Color system indicators

PAL, SECAM, NTSC, NTSC_{4,43}

The color system of the input signal is automatically selected and the corresponding indicator illuminates. When the input signal is monochrome, no color system indicator illuminates.

[8] MUTING indicator

Illuminates while the sound is muted.
• Muting is controlled only by the Remote Commander.

[9] STANDBY indicator

Illuminates when the power is turned off by the Remote Commander.

[10] POWER switch

Press this switch to turn the monitor on.
Press this switch again to turn it off.
• When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
• For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

[11] Remote control detector

The beam from the Remote Commander is received here.

[12] CONTROL key

Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.

[13] VOLUME control keys

Press the + key to raise the volume or the – key to lower it.

[14] PICTURE control keys

Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

[15] Input select keys

LINE A, LINE B, VTR, AV, DIGITAL

Select the input source connected to the LINE A, LINE B, VTR, AV or DIGITAL RGB connector.

When a key is pressed:

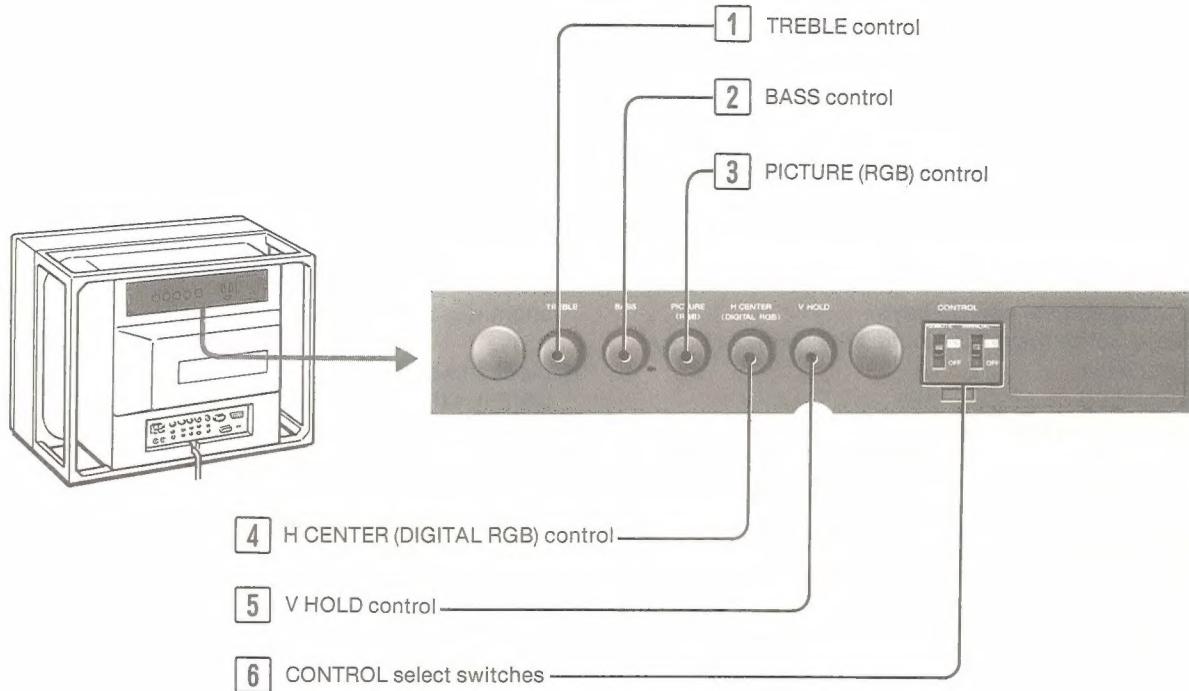
- it blinks if the other indicators and keys on the front panel illuminate.
- it illuminates if they are extinguished.

Key illumination

For the keys [1] through [7], [13] and [14]:

- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

REAR PANEL



[1] TREBLE control

Turn clockwise for more treble (high tone), or counterclockwise for less.

[2] BASS control

Turn clockwise for more bass (low tone), or counterclockwise for less.

[3] PICTURE (RGB) control

Adjust the contrast of the RGB signals connected to the AV connector or the DIGITAL RGB connector.

[4] H CENTER (DIGITAL RGB) (horizontal centering) control

When the picture of DIGITAL RGB input is decentered horizontally, correct it with this control.

[5] V HOLD (vertical hold) control

When the picture rolls vertically, correct it with this control.

[6] CONTROL select switches

Normally set to ON.

REMOTE CONTROL switch

Set this switch to ON to control the monitor with a Remote Commander.

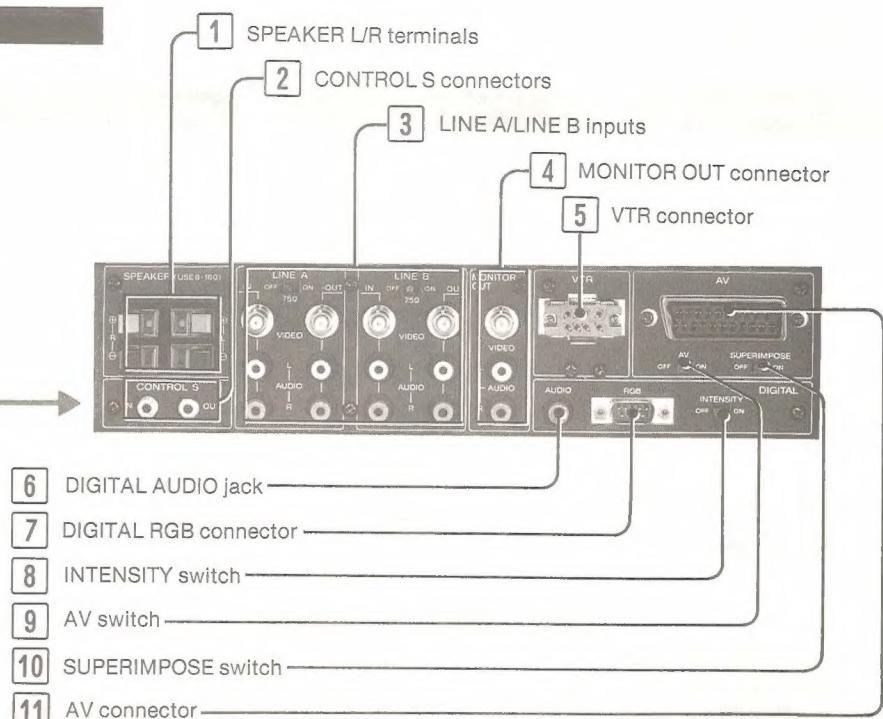
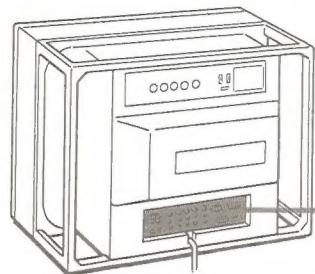
If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch

Set this switch to ON to control the monitor manually. To make the manual control of the control keys or switches on the front panel impossible, extinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.

(However remote control is possible if the REMOTE CONTROL switch is set to ON.)

CONNECTORS



[1] SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohm impedance.

[2] CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or another monitor.

It is then possible to control the whole system with a single Remote Commander.

[3] LINE A/LINE B inputs

VIDEO IN connector (BNC type)

AUDIO L/R IN jacks (phono jack)

Connect to the video and audio outputs of a VTR or a camera.

VIDEO OUT connector (BNC type)

AUDIO L/R OUT jacks (phono jack)

Loop-through outputs of the IN connector and jacks. Connect to the video and audio inputs of another monitor.

75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.

When both connectors are used together for a loop-through connection, set this switch to OFF.

[4] MONITOR OUT connectors

VIDEO connector (BNC type)

AUDIO L/R jacks (phono jacks)

The video and audio signals supplied from the LINE A, LINE B, VTR or AV input selected by the front panel input select keys are output from these connectors.

Connect to the video and audio inputs of another monitor, VTR, etc.

[5] VTR connector (8-pin)

Connect to a VTR with an 8-pin TV connector.

[6] DIGITAL AUDIO jack (phono jack)

Connect to the audio output of an audio source to listen to the sound from the connected audio source while viewing the picture from the DIGITAL RGB connector.

[7] DIGITAL RGB connector (9-pin, D-sub)

Connect to the digital RGB output of a microcomputer.

[8] INTENSITY switch

Normally set to OFF. When a microcomputer provided with intensity output is connected, set to ON for 16-color display.

[9] AV switch

Set to ON so that the monitor is automatically switched to the AV input when a signal is input from the AV connector, taking priority over the LINE A, LINE B or VTR input previously selected by the input select keys on the front panel. Set to OFF to select the AV input manually by pressing the AV input select key.

[10] SUPERIMPOSE switch

Normally set to ON.

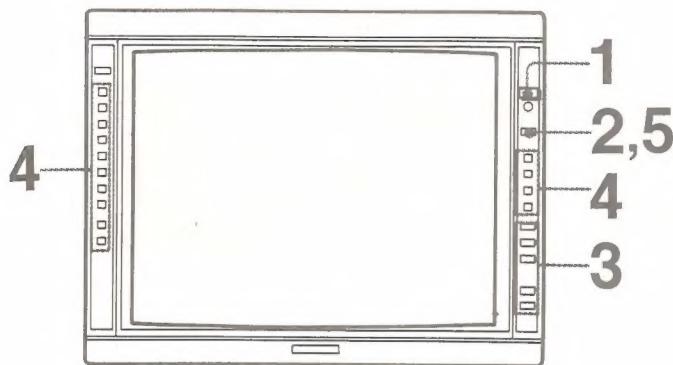
Set to OFF to display the analog RGB signal from the microcomputer connected to the AV connector.

[11] AV connector (21-pin)

Connect to the 21-pin multiconnector of an 8 mm video cassette recorder or the analog RGB multioutput connector of a microcomputer.

1-2. OPERATION

DISPLAYING THE PICTURE



- 1 Depress the POWER switch.
One of the input select keys illuminates.
- 2 Press the CONTROL key.
The selected input select key blinks and all control keys on the front illuminate.
(If the control keys do not appear, set the MANUAL CONTROL switch on the rear to ON.)
- 3 Press the desired input select key.
The pressed key blinks and the picture from the selected input is displayed on the screen and the sound is heard through the speakers.
(For selecting the AV or DIGITAL input, see "Notes on input selection".)
- 4 Adjust the picture and sound.
- 5 Press the CONTROL key to extinguish the controls keys so that only the selected input select key illuminates.

SUPERIMPOSING

To superimpose the data from the microcomputer connected to the AV connector over the picture, proceed as follows.
(The data should be processed for superimposition on the microcomputer.)

- 1 Set the SUPERIMPOSE switch to ON.
- 2 Press the LINE A, LINE B or VTR input select key to display the picture on which the data is to be superimposed on the monitor screen.
- 3 Press the AV input select key.
The data is superimposed over the picture.
- 4 Adjust the contrast of the superimposed data with the PICTURE (RGB) control.

NOTES ON INPUT SELECTION

AV input and SUPERIMPOSE switch

Set the SUPERIMPOSE switch on the rear as follows, according to the signal supplied to the AV connector.

SUPERIMPOSE switch	Signal to be displayed
ON	<ul style="list-style-type: none"> • To display the composite video signal from an 8 mm video cassette recorder, etc. • To perform superimposition. (See "SUPERIMPOSING".)
OFF	<ul style="list-style-type: none"> • To display the analog RGB signal from a microcomputer, etc. In this case, the sync signal should be supplied to pin 20 of the AV connector.

- When the AV input select key is pressed with the SUPERIMPOSE switch ON, the previously selected LINE A, LINE B or VTR input select key blinks together with the AV key.
- When it is pressed with the SUPERIMPOSE switch OFF, only the AV key blinks.

AV input and AV switch

When the AV switch on the rear is set to ON, the monitor is automatically switched from the LINE A, LINE B or VTR input to the AV input if a signal is input to the AV connector.
Set the AV switch to OFF to select the AV input manually by pressing the AV input select key.

DIGITAL input

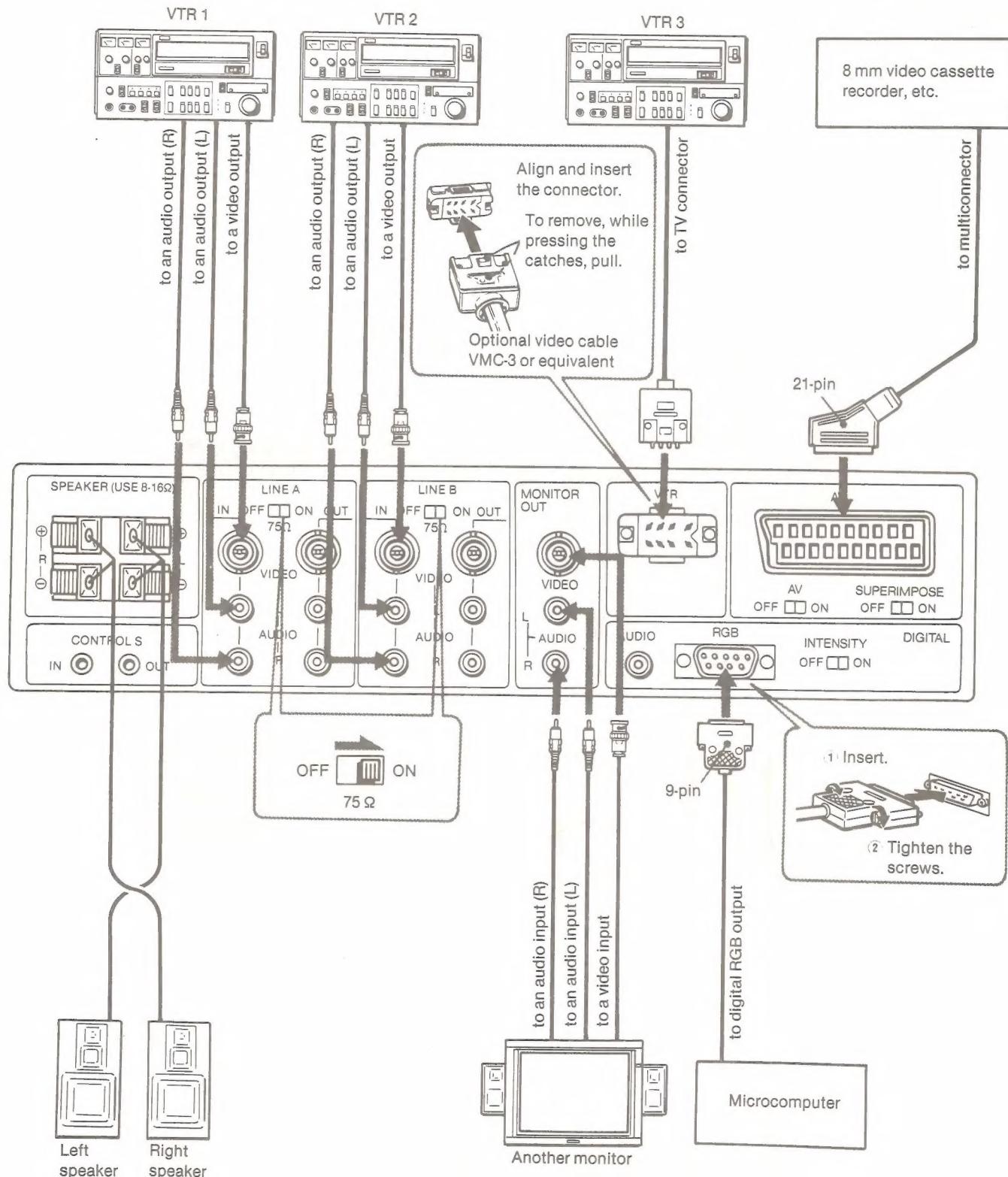
- To display the digital RGB signal from a microcomputer provided with intensity output in 16 colors, set the INTENSITY switch on the rear to ON.
- If necessary, center the picture from the DIGITAL RGB connector with the H CENTER control on the rear panel.

Note

The COLOR, HUE and SHARP control keys do not function when the DIGITAL input is selected or the AV input is selected with the SUPERIMPOSE switch OFF.

1-3. SYSTEM CONNECTIONS

CONNECTION DIAGRAM



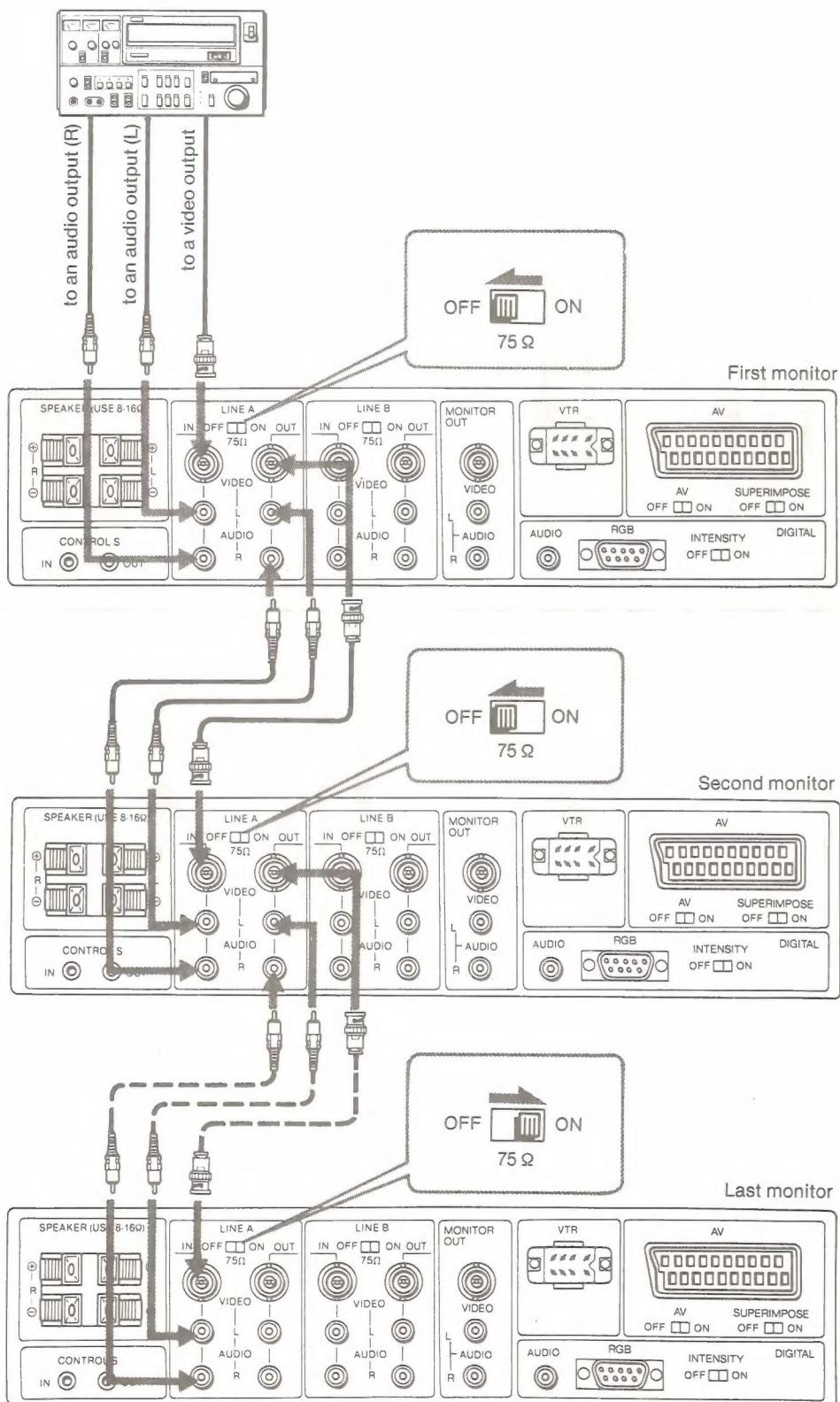
Note

- When a microcomputer has an analog RGB output connector, connect it to the AV connector.

- When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

CONNECTING SEVERAL MONITORS

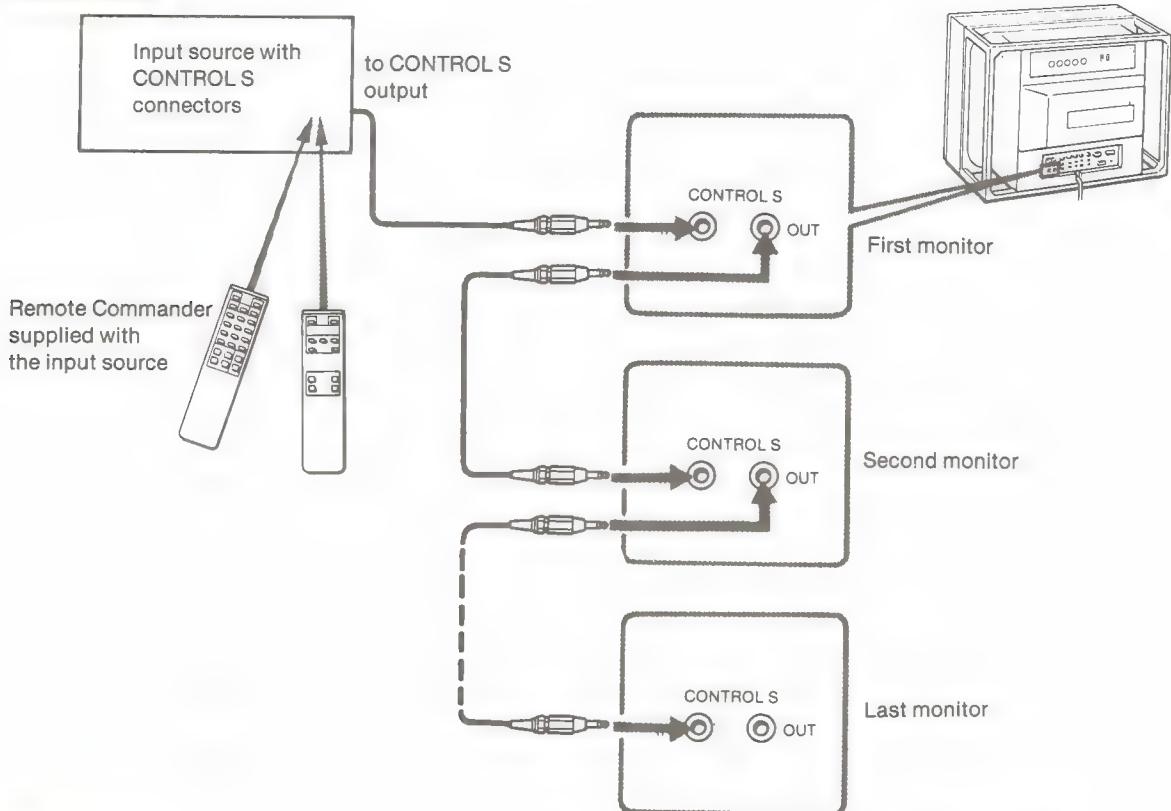
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



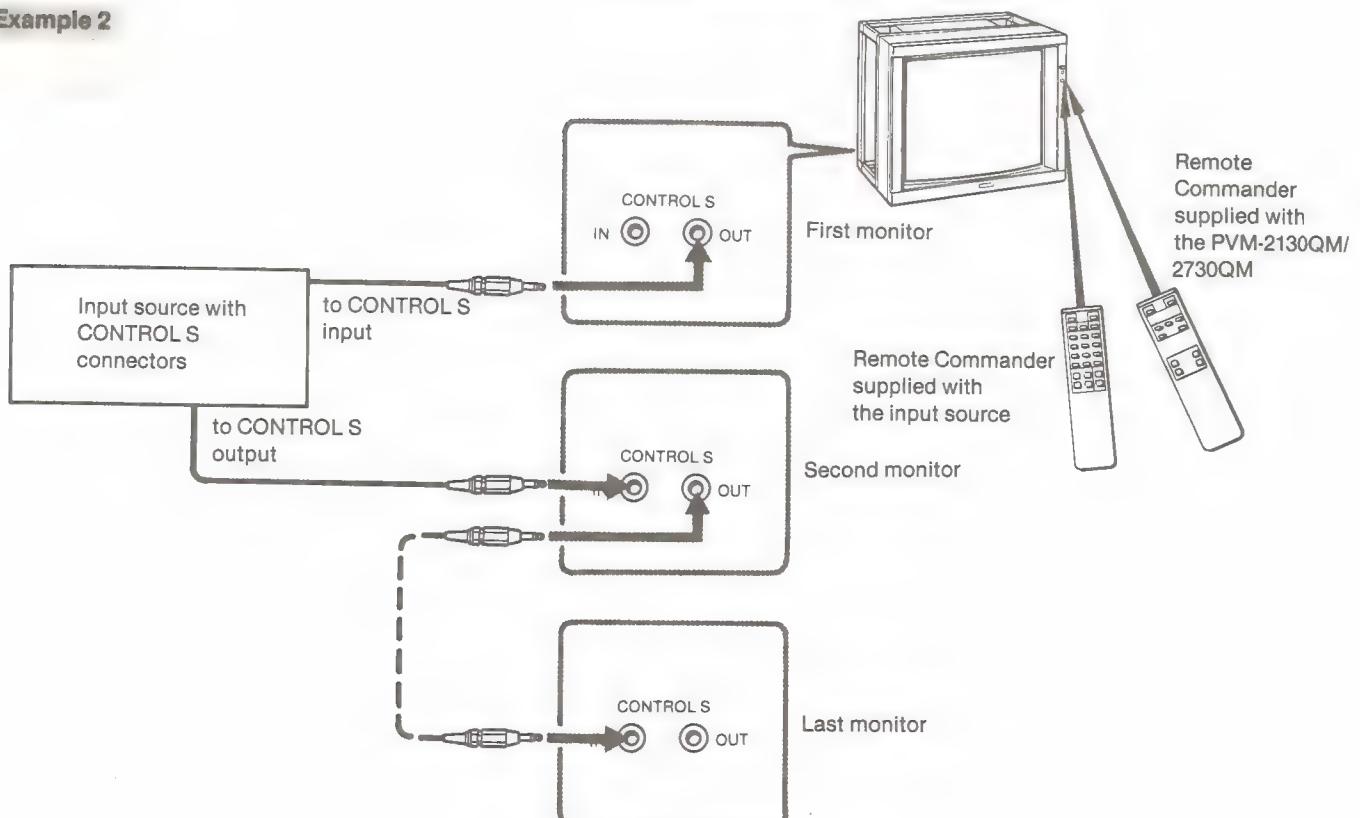
CONTROL S CONNECTION

The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1



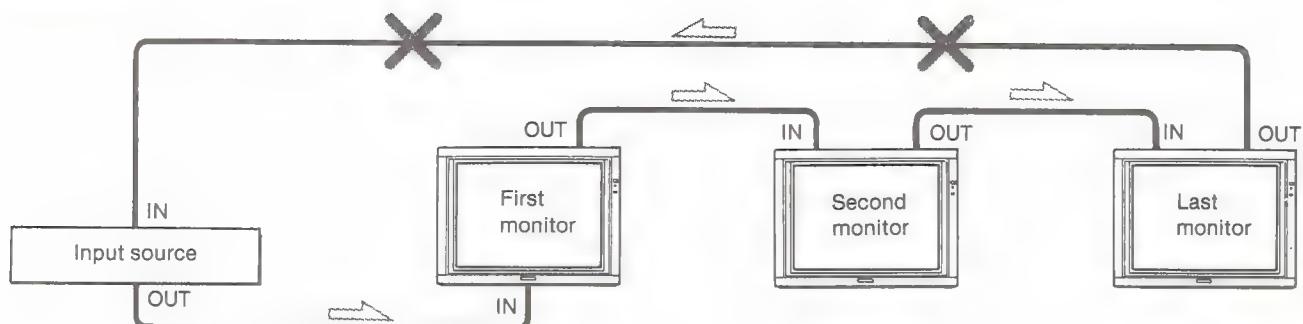
Example 2



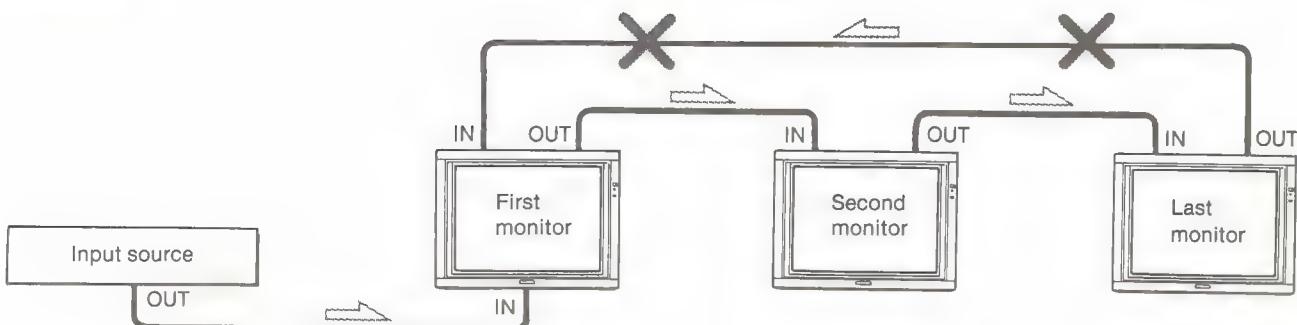
Note

Do not use the following loop connections.

Example 1



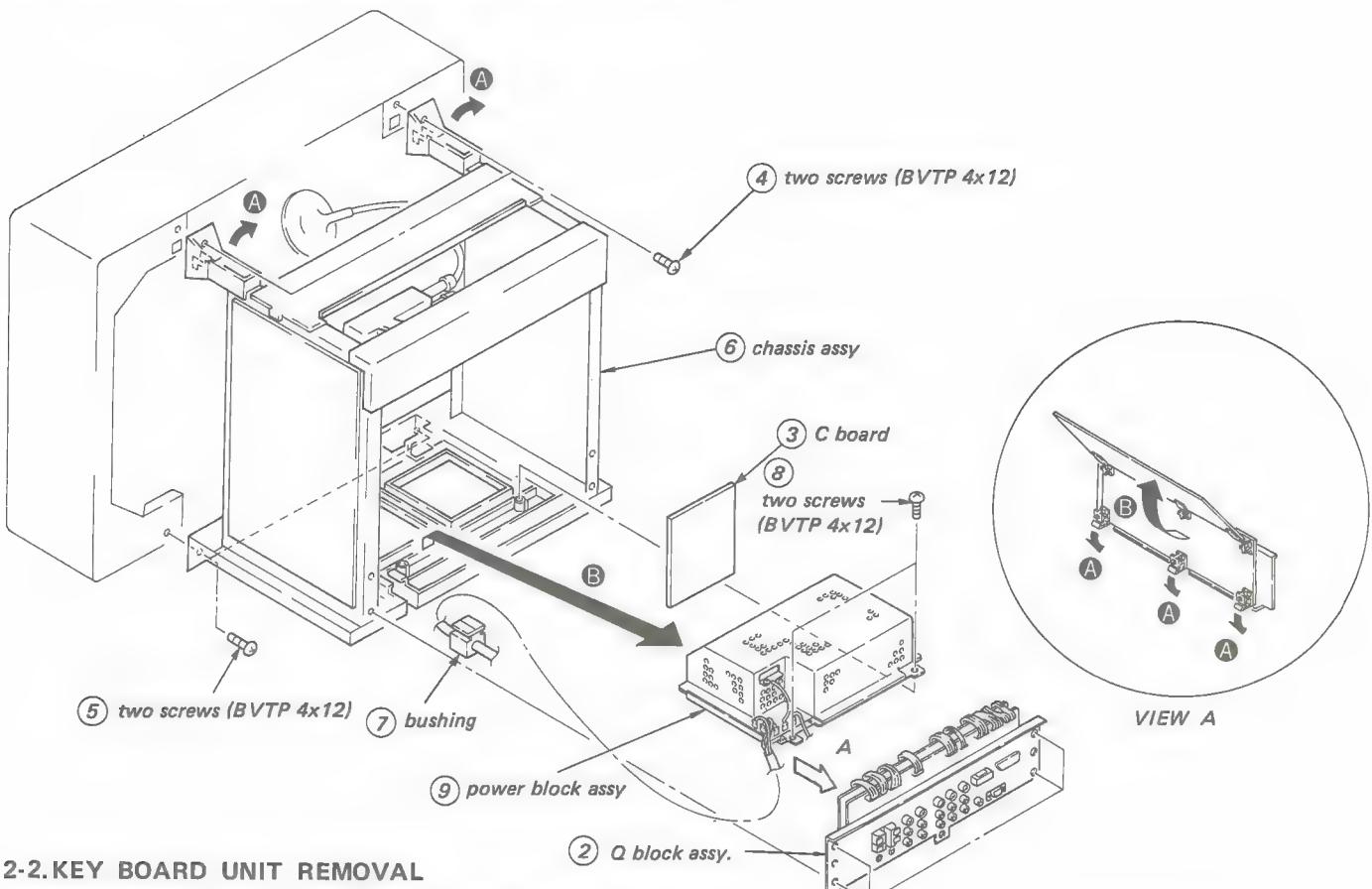
Example 2



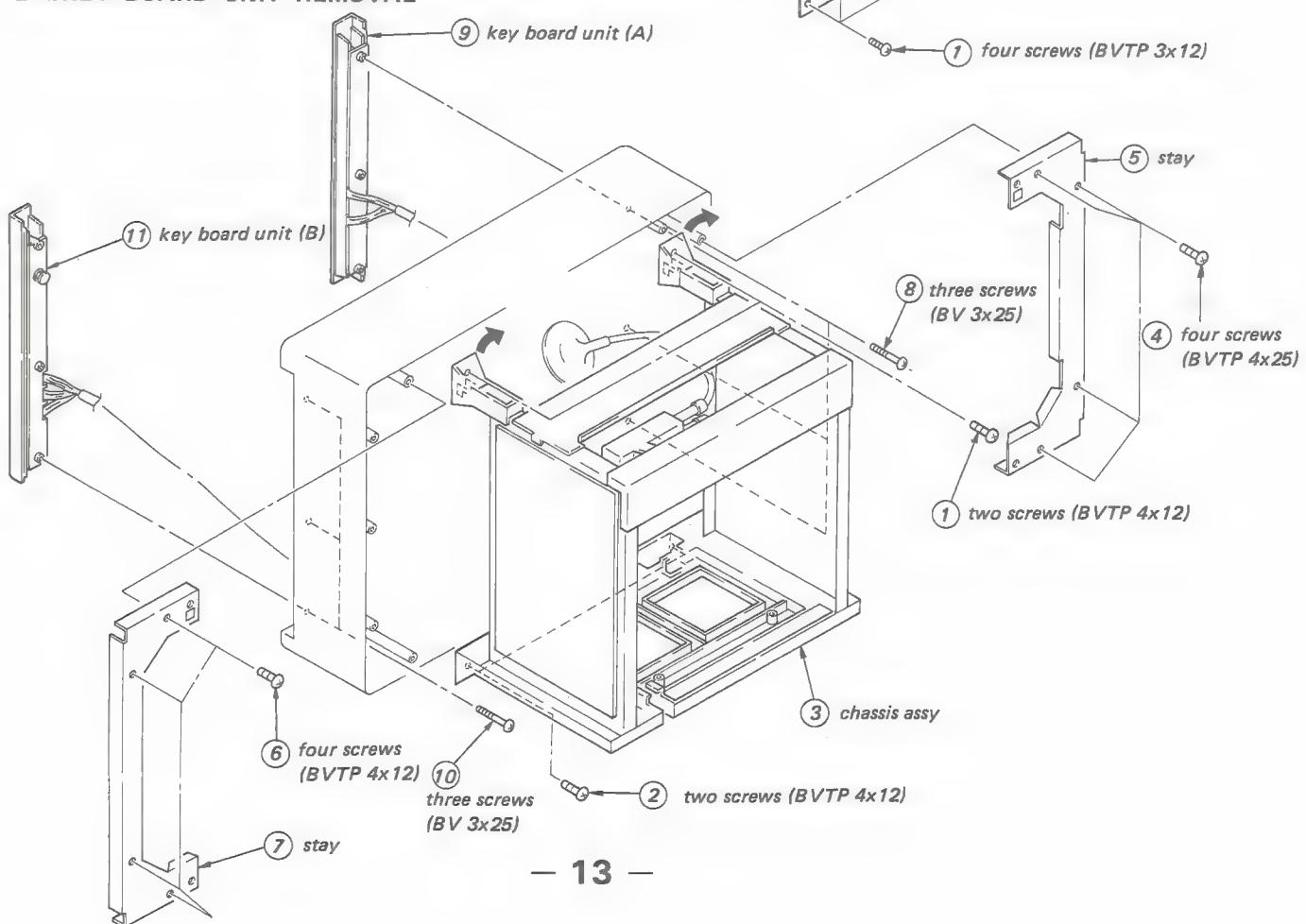
◀ CONTROLS signal flow

SECTION 2 DISASSEMBLY

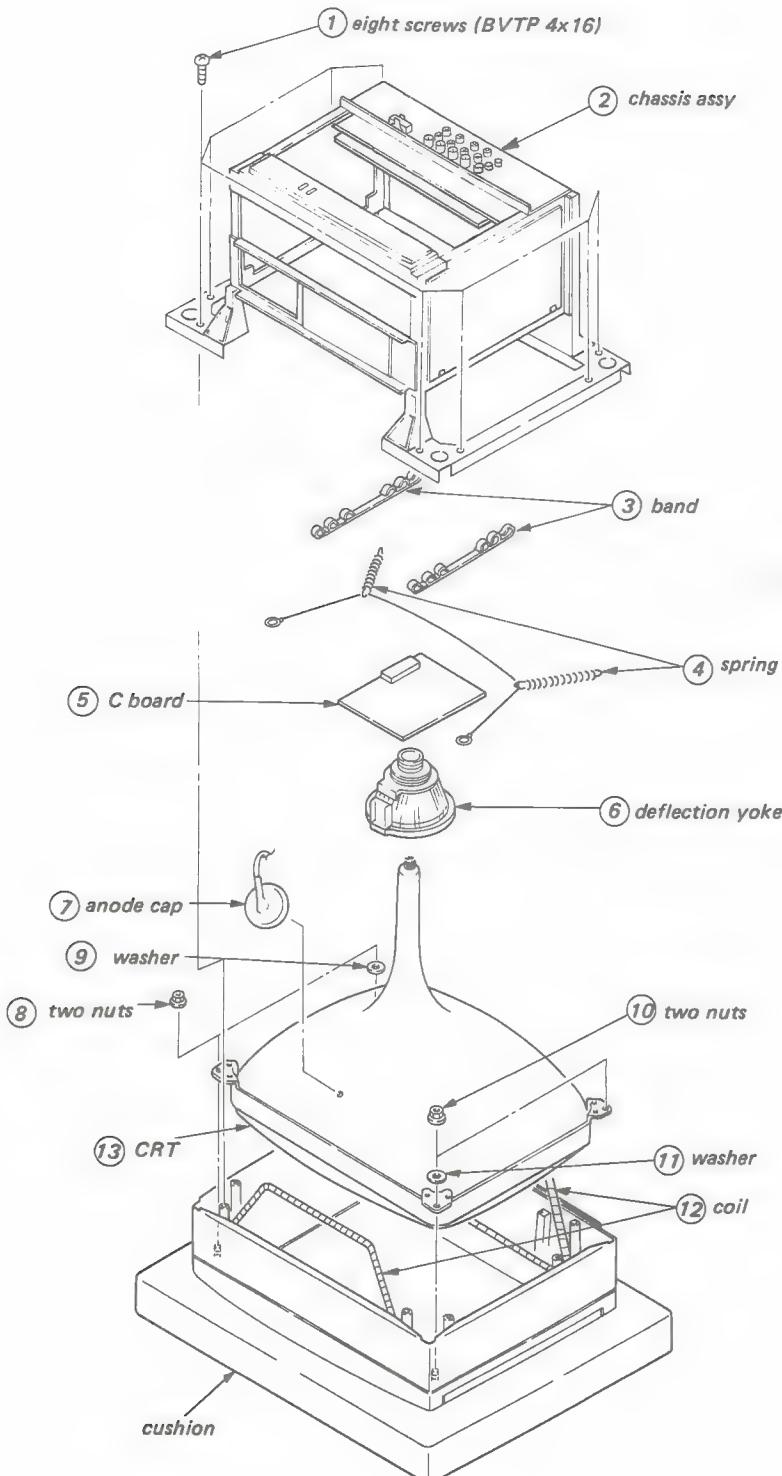
2-1. POWER BLOCK ASSY AND CHASSIS ASSY REMOVAL



2-2. KEY BOARD UNIT REMOVAL



2-3. PICTURE TUBE REMOVAL



• Removing Procedures

- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a)
 - ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b)
 - ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c)
-

SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Perform the adjustments in order as follows:

- Beam Landing
- Convergence
- White Balance

Note: Test Equipment Required

- Color-bar/Pattern Generator
- Degausser

3-1. BEAM LANDING

Preparation:

- Input the RASTER pattern.
 - Before starting, degauss the entire screen.
- Turn on set power supply and input a RASTER signal.
 - Evenly degauss the entire screen.
 - Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Figure 3-1.
 - Input a red signal.
 - Move the deflection yoke back, and adjust the purity control so that RED is in the center and GREEN and BLUE are at the sides, evenly. (Figure 3-2.)
 - Move the deflection yoke forward so that the entire screen is red.
 - If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
 - Substitute GREEN, then BLUE for RED in step 4 and check landing.
 - Rotate RED, GREEN and BLUE once each and check landing.
 - When landing is not right, adjust the purity control and use magnets as shown in Figure 3-3, then repeat steps 7 and 8.
 - When a magnet is used, be sure to perform step 2, and tighten deflection yoke mounting screw loosely.

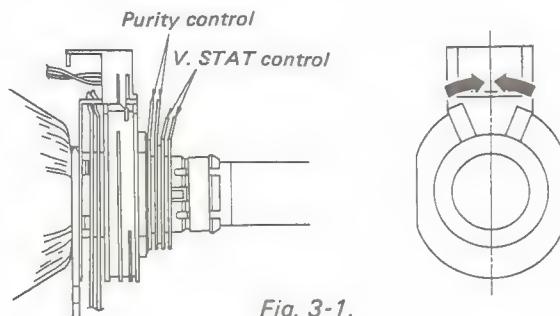


Fig. 3-1.

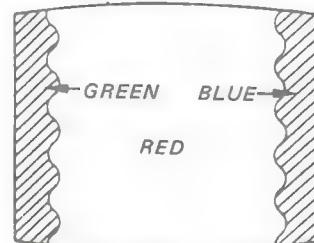


Fig. 3-2.

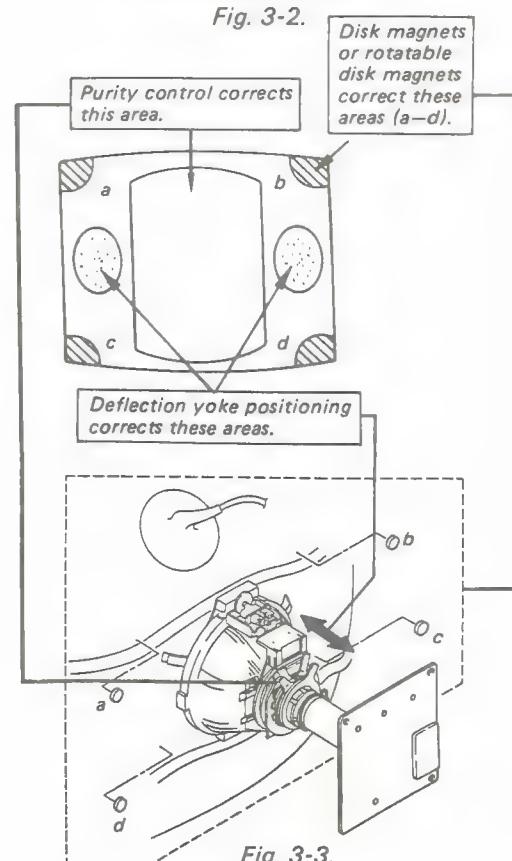


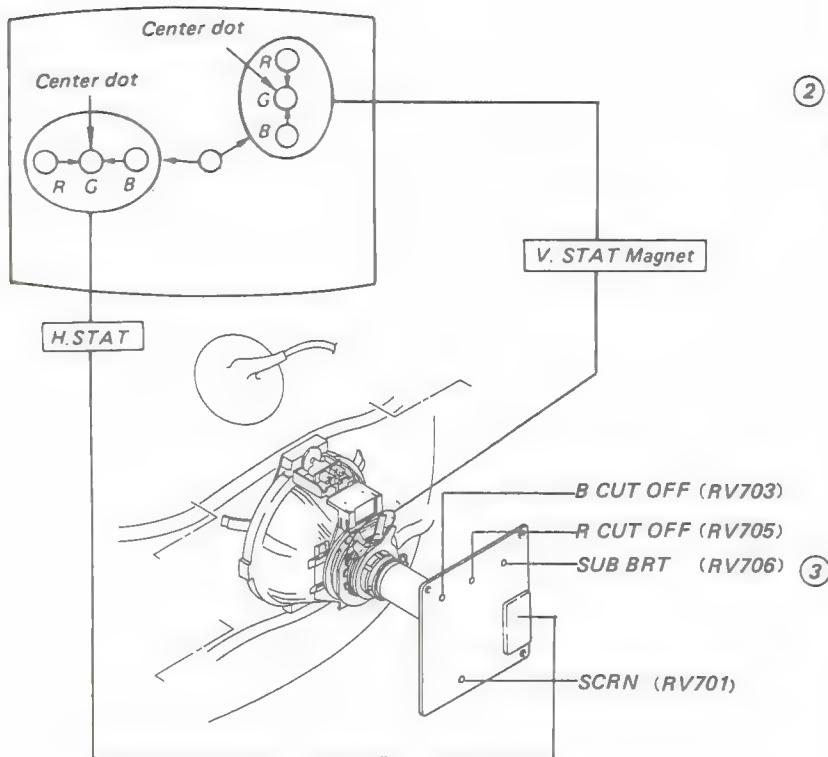
Fig. 3-3.

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

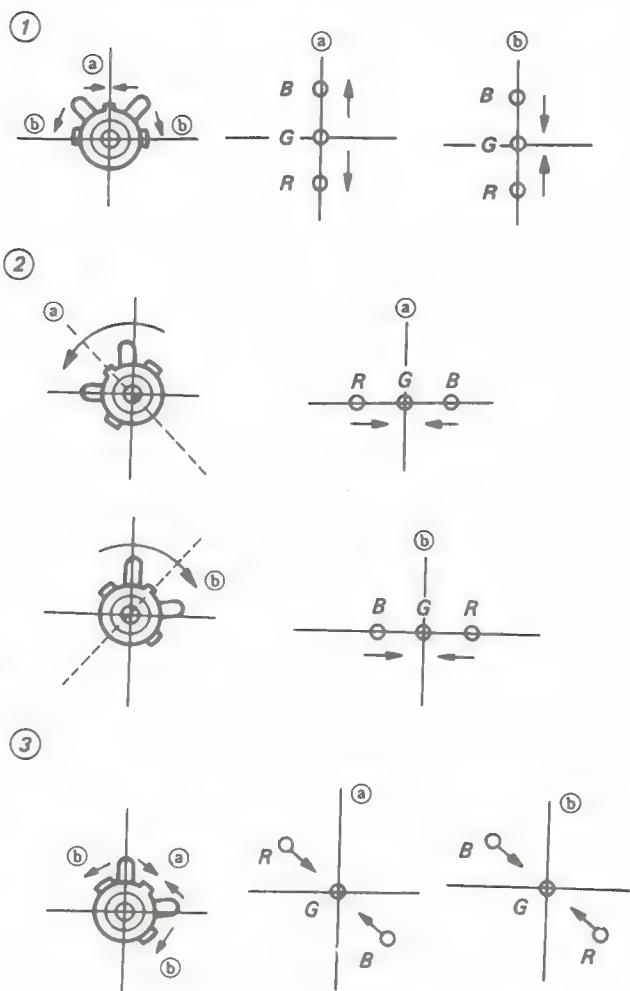
(1) Horizontal and Vertical Static Convergence



- Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
- Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
- If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



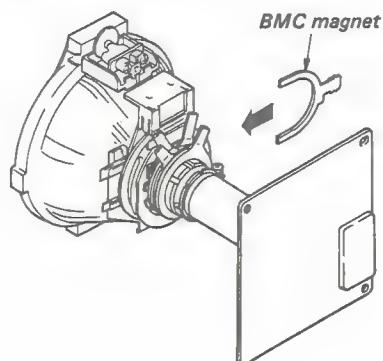
- When the V. STAT magnet is moved in the direction of arrow (a) and (b), Red, Green and Blue dots move as shown below.



If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.
Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.



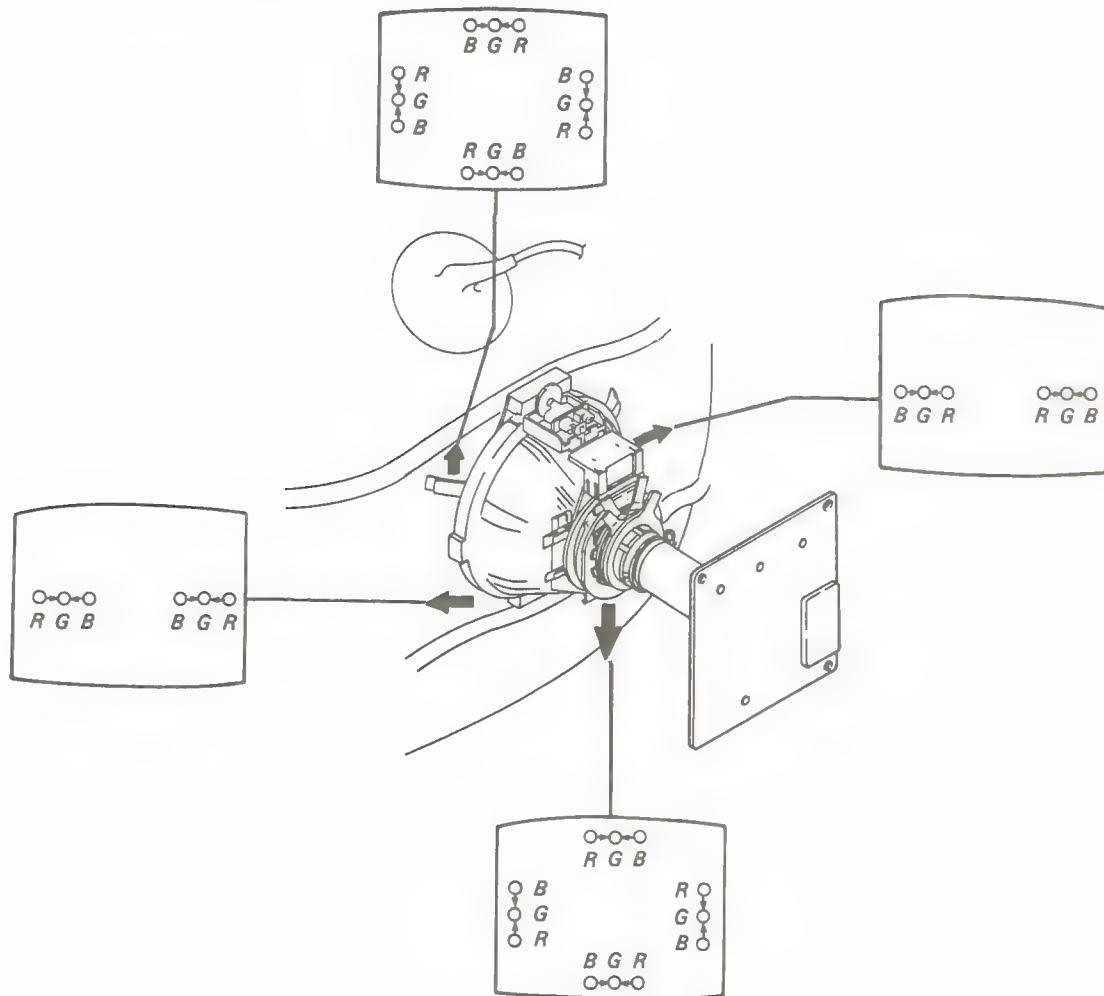
(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



3-3. WHITE BALANCE ADJUSTMENT

1) SCREEN (G₂) adjustment

1. Confirm that G₁ line voltage is 30±5 Vdc.
2. Adjust CUT OFF(R,B) so that R,B cathode voltage becomes 180 V DC.

Adjust with G₂ VT immediately prior to the disappearing of the luminescent line.

2) W/B adjustment

1. Input a all white signal.
2. Set the PICTURE control to minimum and turn the BRIGHT control mechanical center.
3. Set R CUT OFF(R,B) and RV703 (B CUT OFF) to minimum.
4. Turn RV701 (SUB BRT) slowly to obtain a faintly visible cross-hatch.
Note the color that first becomes visible by turning RV701.
5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
6. Set the PICTURE control fully clockwise.
Observe the screen and adjust the RV1301 (G,H/L), RV1302 (B,H/L) controls for best white balance. (B Board)
7. Repeat steps 1, through 7.

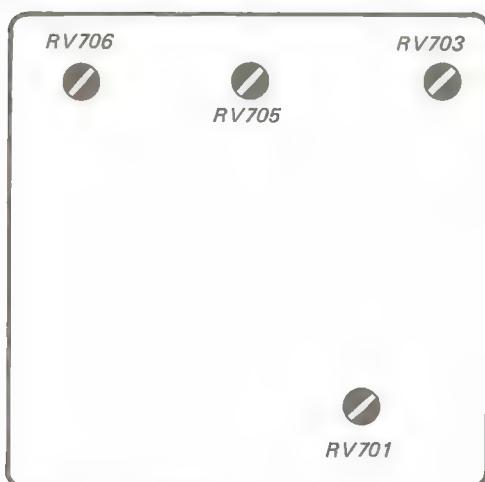
B Board



RV1301 (G.H/L)
RV1302 (B.H/L)

(Component side)

C Board



RV703 (B CUT OFF)
RV705 (R CUT OFF)
RV706 (SUB. BRT)
RV701 (SCRN)

(Component side)

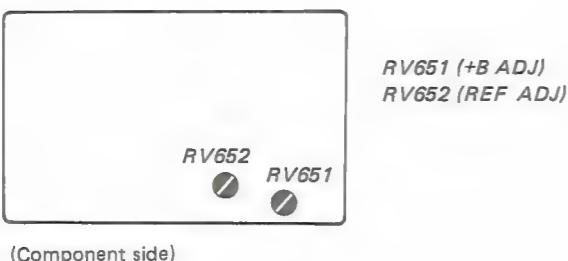
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. FA BOARDS ADJUSTMENT

+B Line Adjustment

1. Supply 220V ac to with variable auto-transformer.
2. Adjust RV651 so that the +B line is $140V \pm 0.5V$.
3. Adjust RV652 so that the pin ① or IC651 is $32 \pm 0.1V$.

FA Board



(Component side)

4-2. D BOARD ADJUSTMENTS

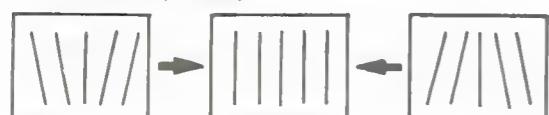
Horizontal Position Adjustment

1. Check that H center moves to the right and left with horizontal position VR (RV555), then adjust horizontal position to center.

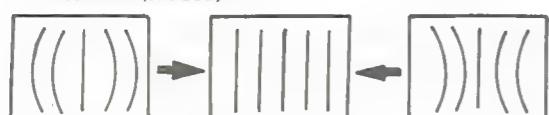
Picture Distortion Adjustment

1. Picture distortion adjustment
Input a signal equivalent to a crosshatch signal.

• PIN PHASE (RV553)



• PIN AMP (RV552)



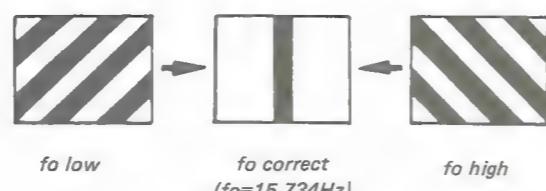
2. Adjust RV554 (H.SIZE) so that H.SIZE is best.
3. Adjust RV555 (H.CENT) so that horizontal position is center.

V.SIZE V.CENT

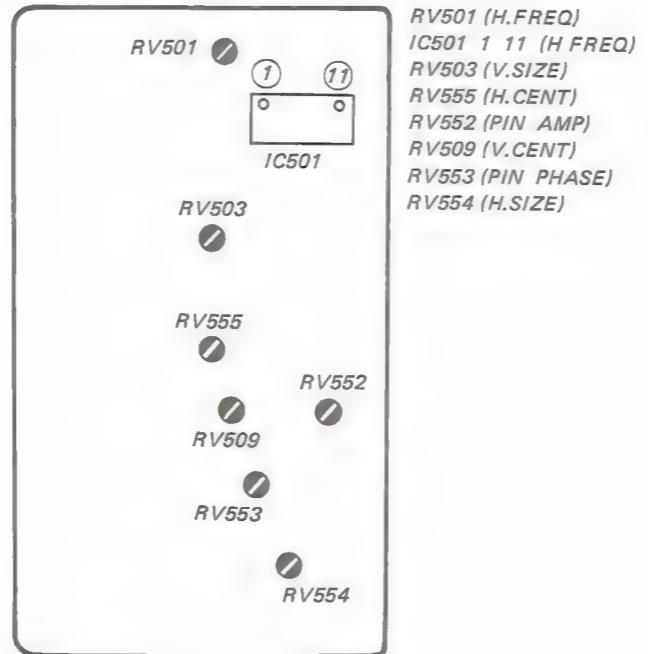
Adjust RV503 and RV509 for a best vertical SIZE Picture.

H.FREQ Adjustment

1. Input a color bar signal and short between IC501 pins ① and ⑪.
Also short board IC401 pins ⑯ and ⑰.
2. Adjust H.FREQ VR (RV501) so that picture flow is as shown in Figure.
3. After adjustment, remove the connections in step ①.



D Board

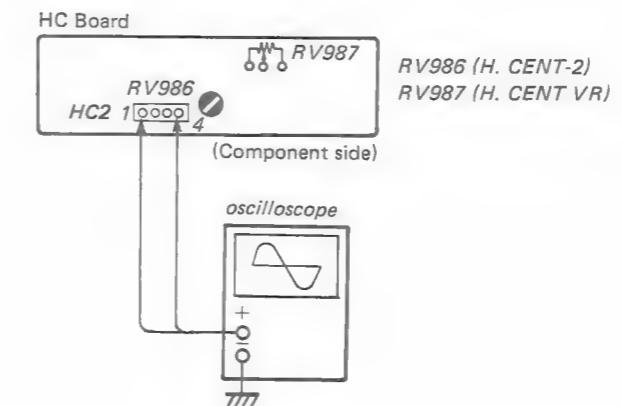
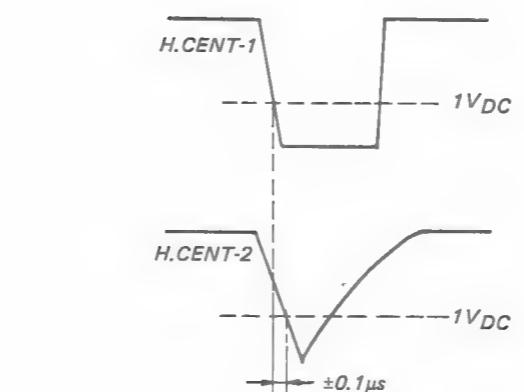
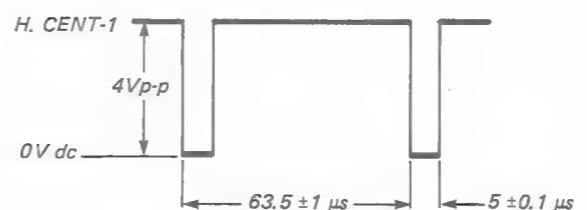


(Component side)

4-3. HC BOARD ADJUSTMENT

H. CENTER Adjustment (DIGITAL RGB)

1. Connect to the digital RGB output connector of a microcomputer.
2. Press to select the RGB mode.
3. Turn the H. CENT VR (RV987--- Rear control panel) to center position.
4. Connect the oscilloscope to pin ④ of HC-2 connector and pin ⑦ of HC-2 connector.
5. Adjust RV986 (H. CENT-2) so that the phase difference level is $\pm 0.1\mu\text{s}$.



4-4. B BOARD ADJUSTMENTS

Y Chroma Adjustment

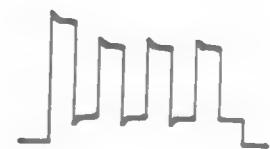
1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin ⑯ of IC301, and adjust so that chroma component is minimum on pin ⑯ of IC301 waveform while tracking with L451 (4.43 MHz).



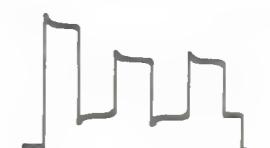
3. Input a NTSC (3.58) color bar signal.
4. Connect an oscilloscope to pin ⑯ of IC301 and adjust so that croma component is minimum on pin ⑯ of IC301 waveform while tracking with L452.

COLOR BALANCE Adjustment

1. Input a SECAM color bar signal and set PICTURE to maximum.
Press "RESET" to set color to standard state.
2. Observe blue output (TP33) waveform on the oscilloscope and adjust L421 (B-Y) so that the black portion of the color bar is the same level as the pedestal.



3. Observe blue output (TP31) waveform on the oscilloscope and adjust L405 (R-Y) so that the black portion of the color bar is the same level as the pedestal.



SECTION 5 DIAGRAMS

ANTI-PAL, LINE CRAWLING Adjustment

1. Input a PAL color bar signal and set PICTURE to maximum.
Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If sides while tracking with RV303.
3. Adjust T301 (DAT) for minimum line crawling.
4. Confirm the anti-PAL adjustment in 2, and repeat 3, and 1 if necessary.

APC Adjustment

4.43 adjustment

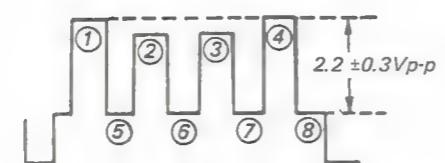
1. Input a PAL color bar signal.
2. Short pin ⑪ and pin ⑫ on IC301.
3. Adjust CT443 to get color sync.

3.58 adjustment

4. Input a NTSC (3.58 MHz) color bar signal.
5. Adjust CT358 to get color sync.

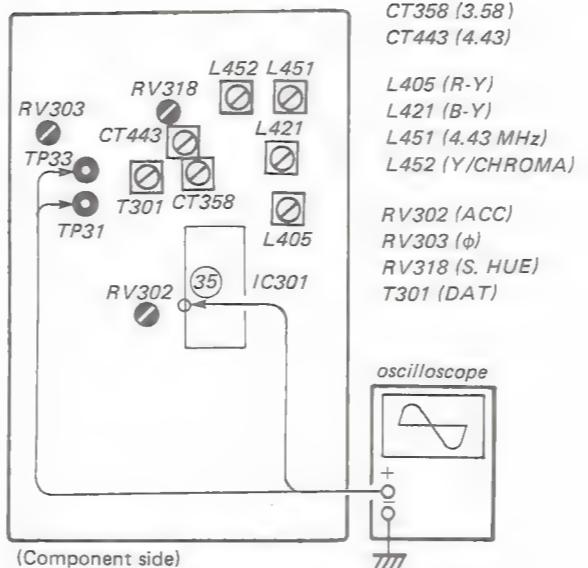
ACC, HUE CENT Adjustment

1. Input a PAL color bar signal and set PICTURE maximum.
2. Adjust RV302 (ACC ADJ) so that blue output (TP33) waveform is as shown in figure.



3. Input a NTSC (3.58 or 4.43) color bar signal and set PICTURE to maximum.
Press "RESET" to set COLOR, HUE and BRIGHTNESS to standard state.
4. Adjust RV318 (S. HUE) so that blue output (TP33) waveform is as shown in figure.

B Board

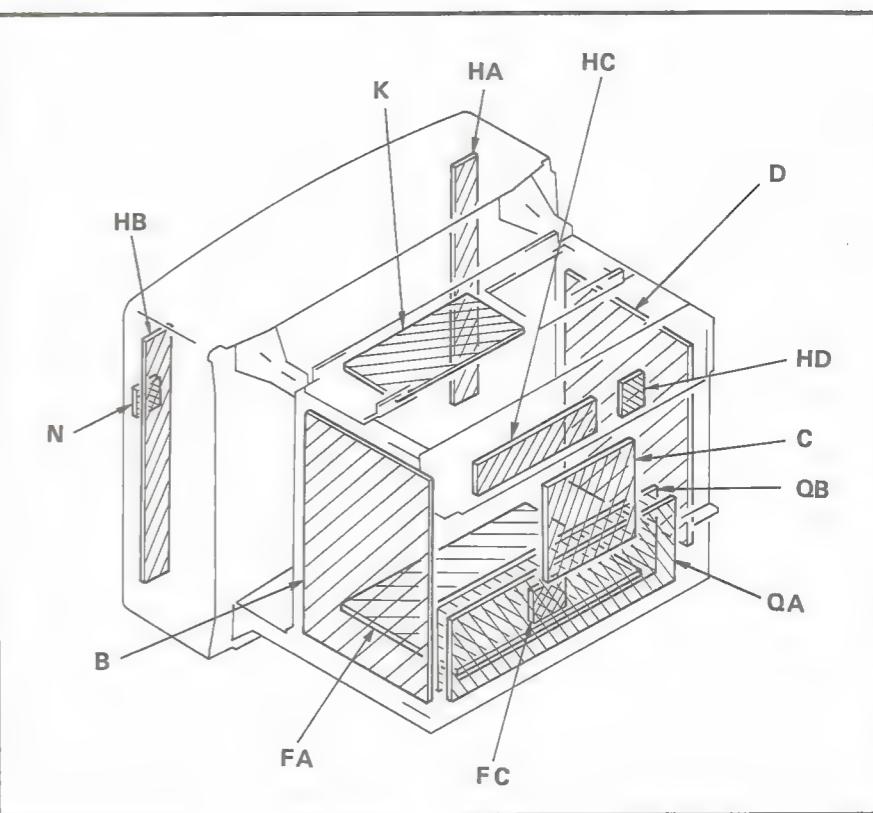


CT358 (3.58)
CT443 (4.43)

L405 (R-Y)
L421 (B-Y)
L451 (4.43 MHz)
L452 (Y/CHROMA)

RV302 (ACC)
RV303 (φ)
RV318 (S. HUE)
T301 (DAT)

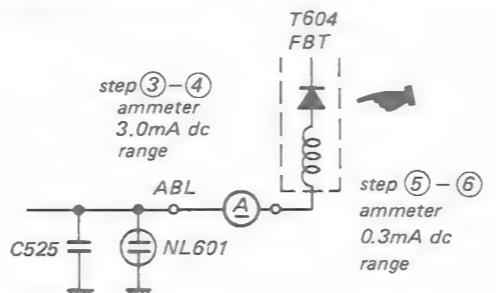
5-1. CIRCUIT BOARDS LOCATION



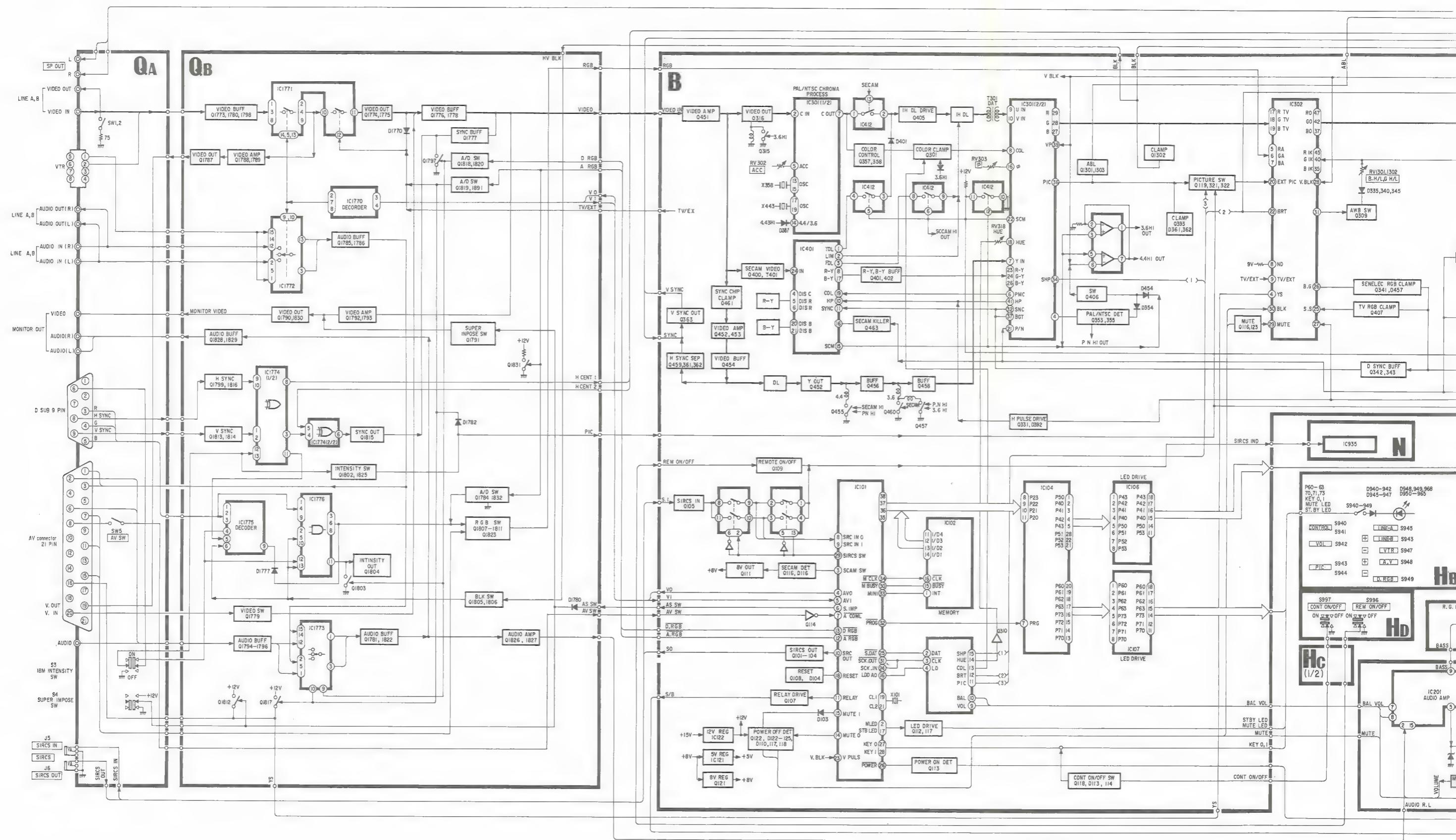
4-5. SAFETY CHECK ADJUSTMENT

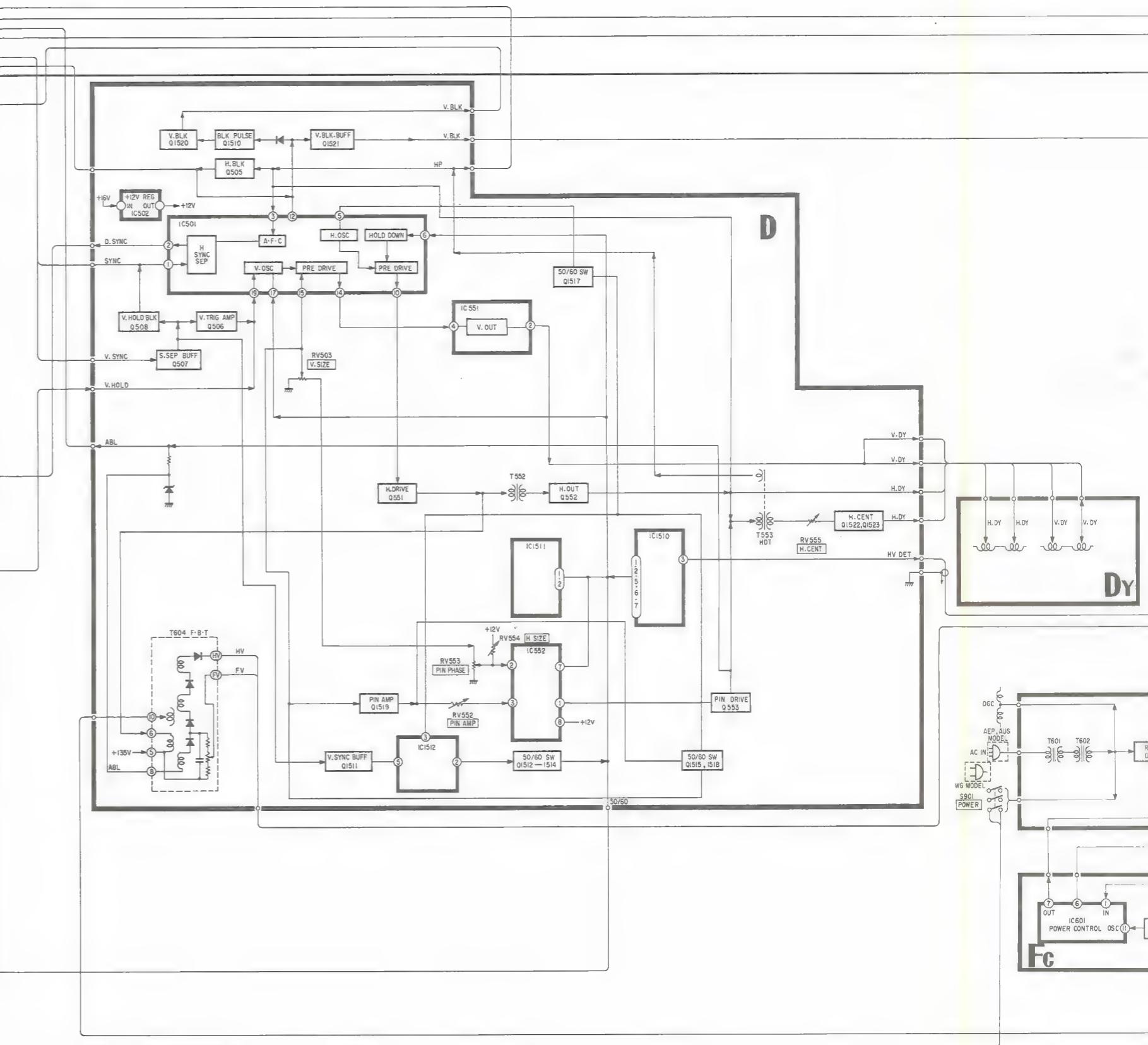
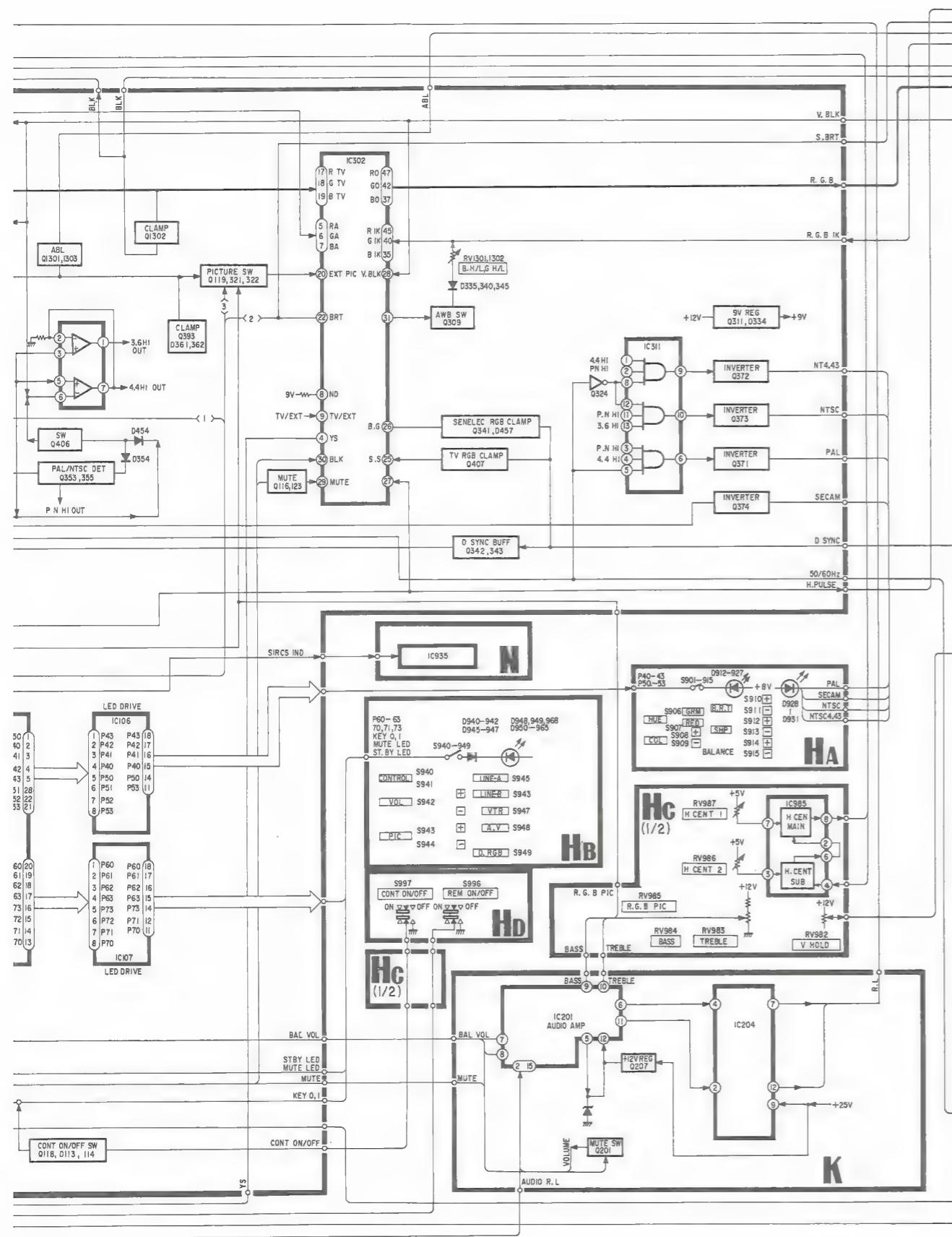
HOLD DOWN ADJUSTMENT (*R531)

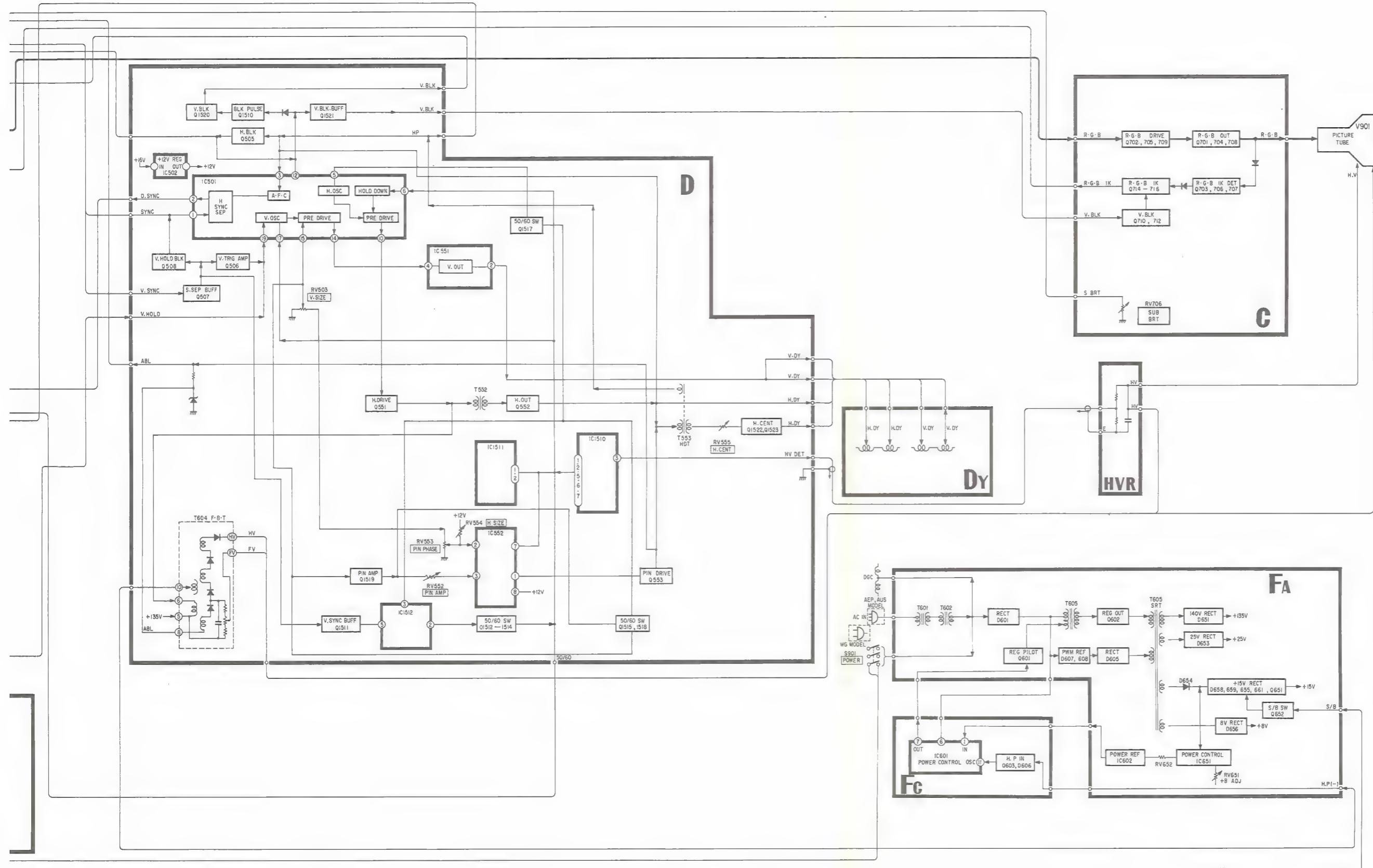
1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
 2. Confirm that the voltage of the IC1510 ① pin is more than 15.78V DC when the set is operating normally with 120V AC supply.
 3. Adjust ABL current to $1400 \pm 30 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 3.0mA dc range)
 4. Confirm that there is less than 18.35V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 ① pin)
 5. Adjust ABL current to $210 \pm 3 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 0.3mA dc range)
 6. Confirm that there is less than 19.25V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 ① pin)
- Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.



5-2. BLOCK DIAGRAM



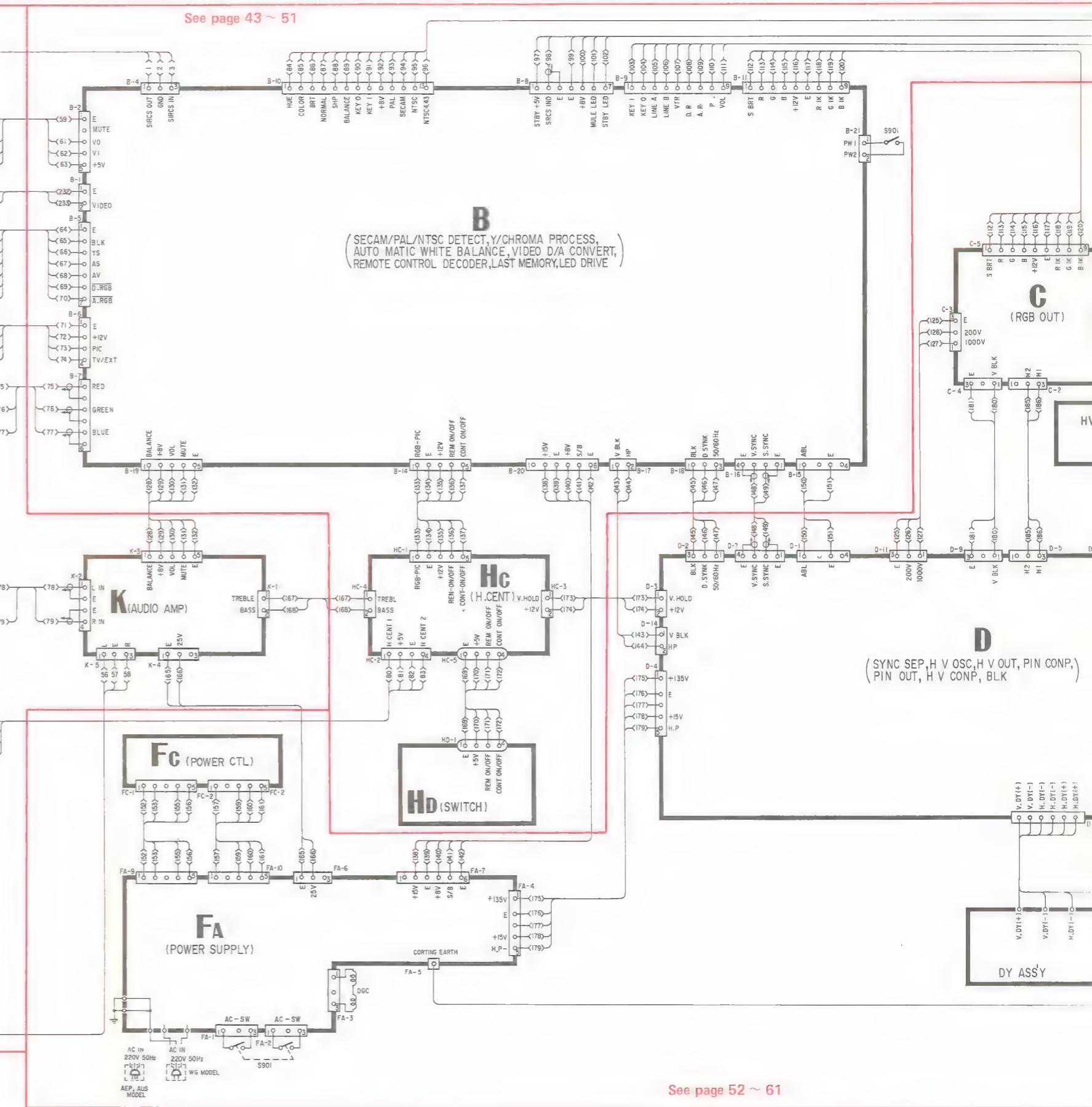
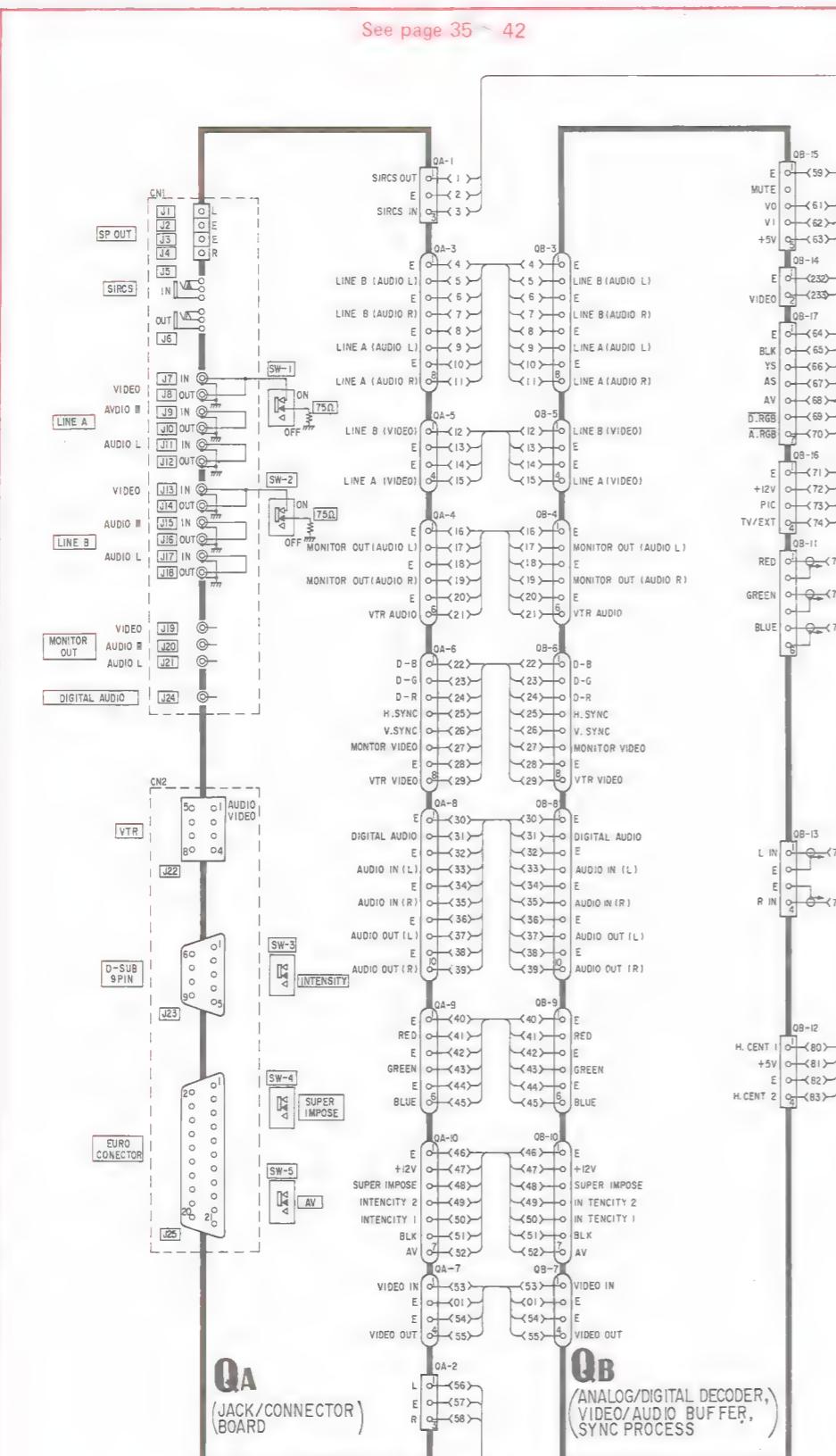




5-3. FRAME SCHEMATIC DIAGRAM

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A



B

C

D

E

F

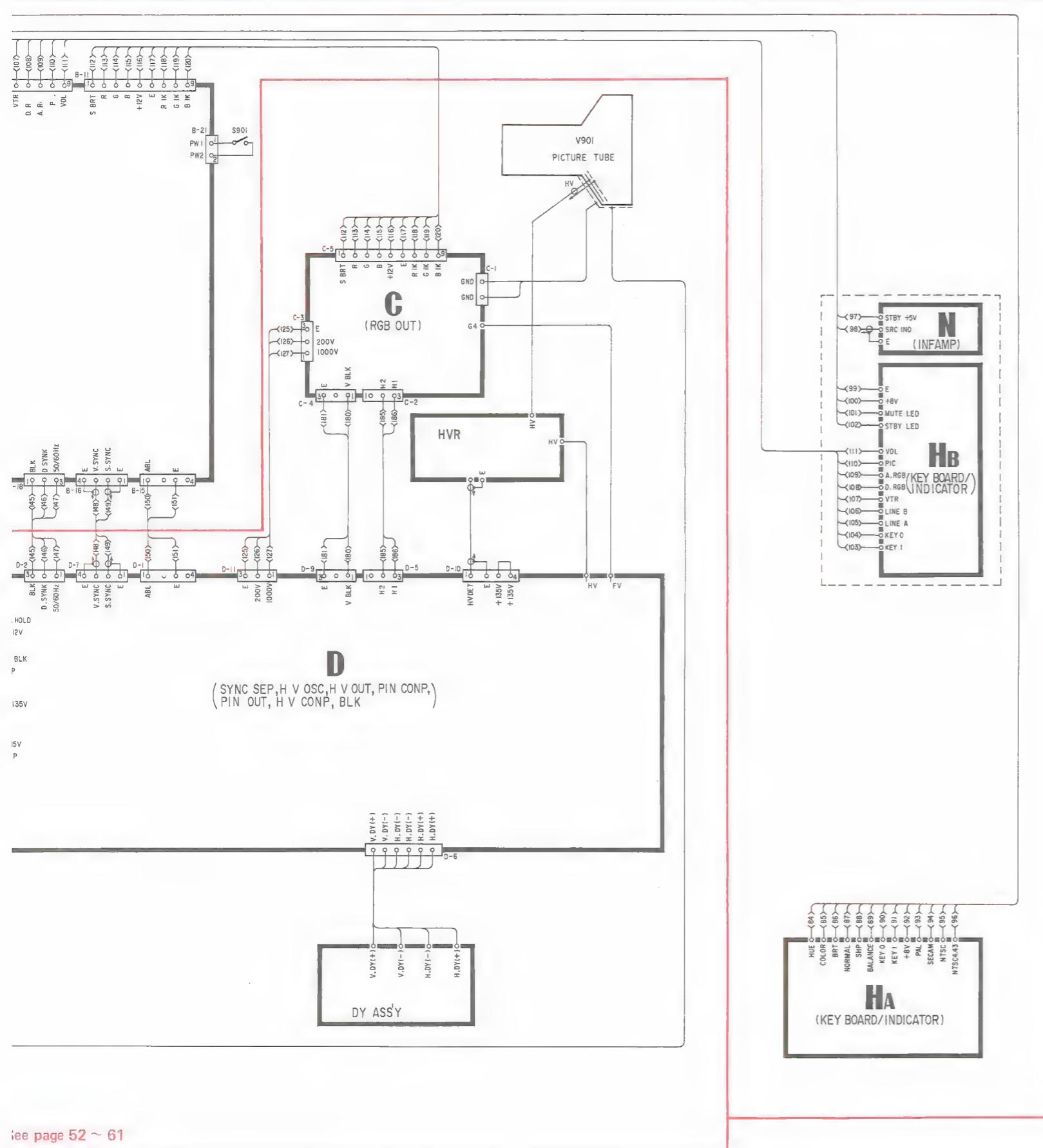
G

H

I

J

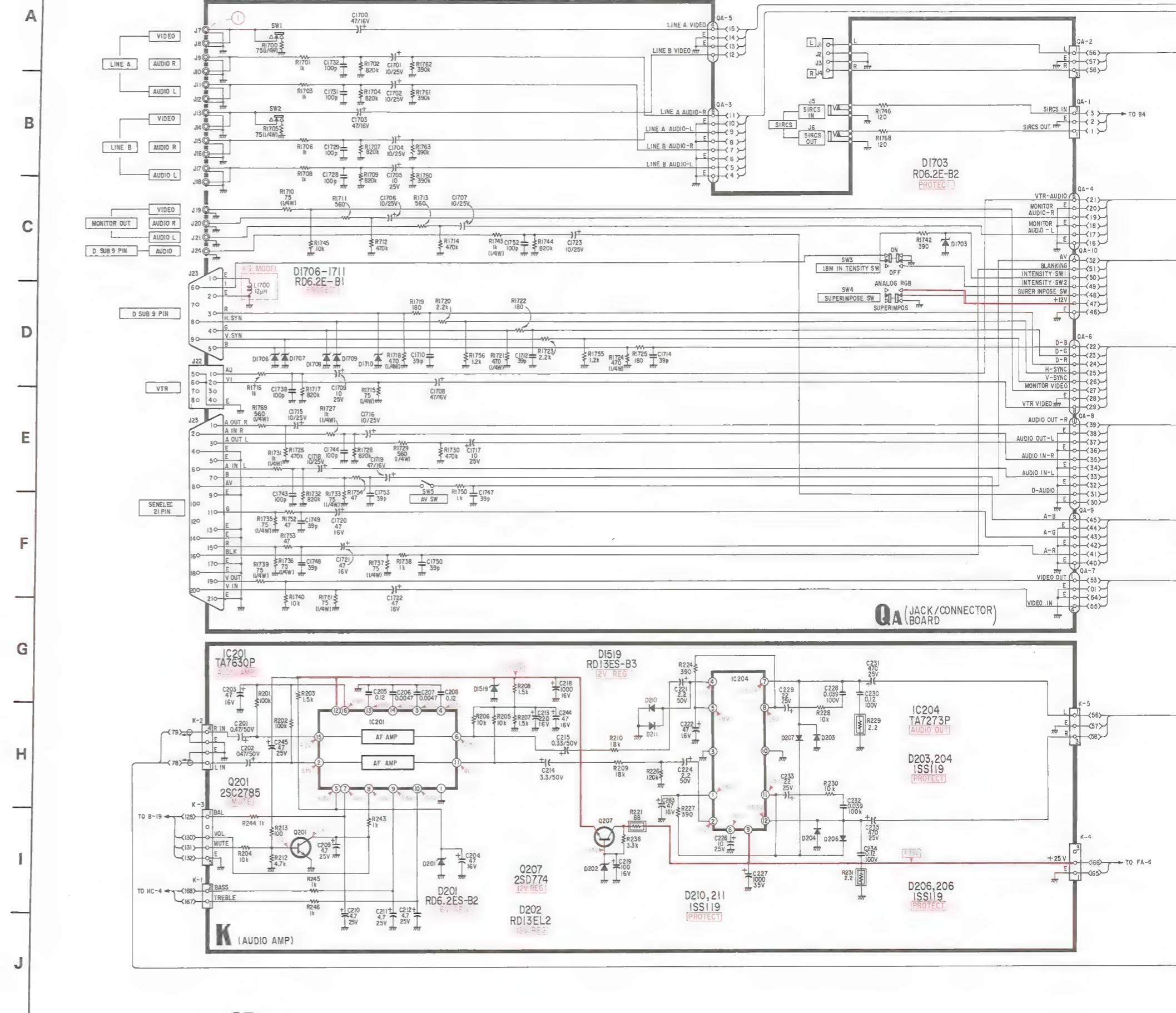
13 | 14 | 15 | 16 | 17 | 18



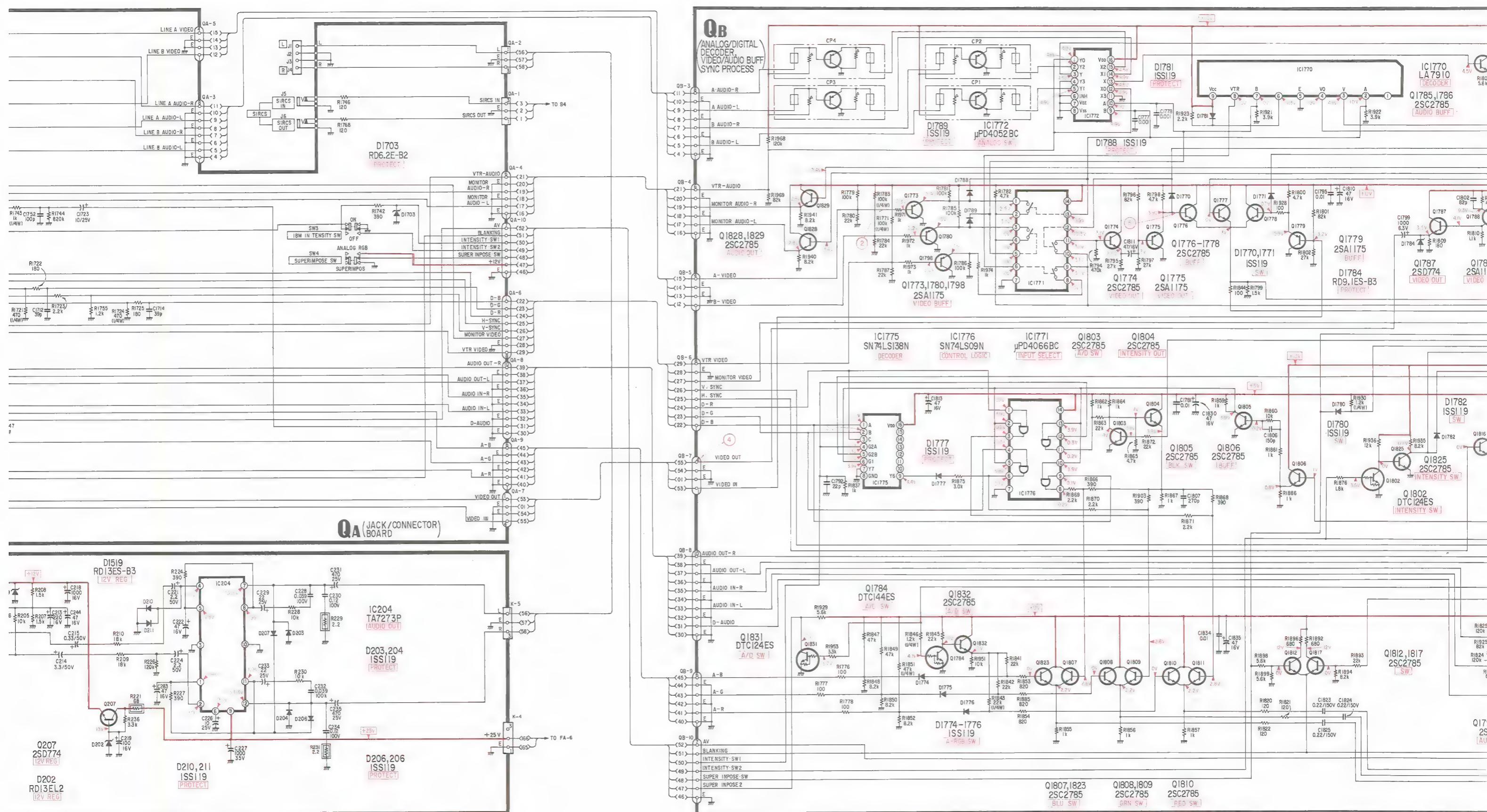
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11

5-4. SCHEMATIC DIAGRAM AND PRINTED WIRING BOARDS

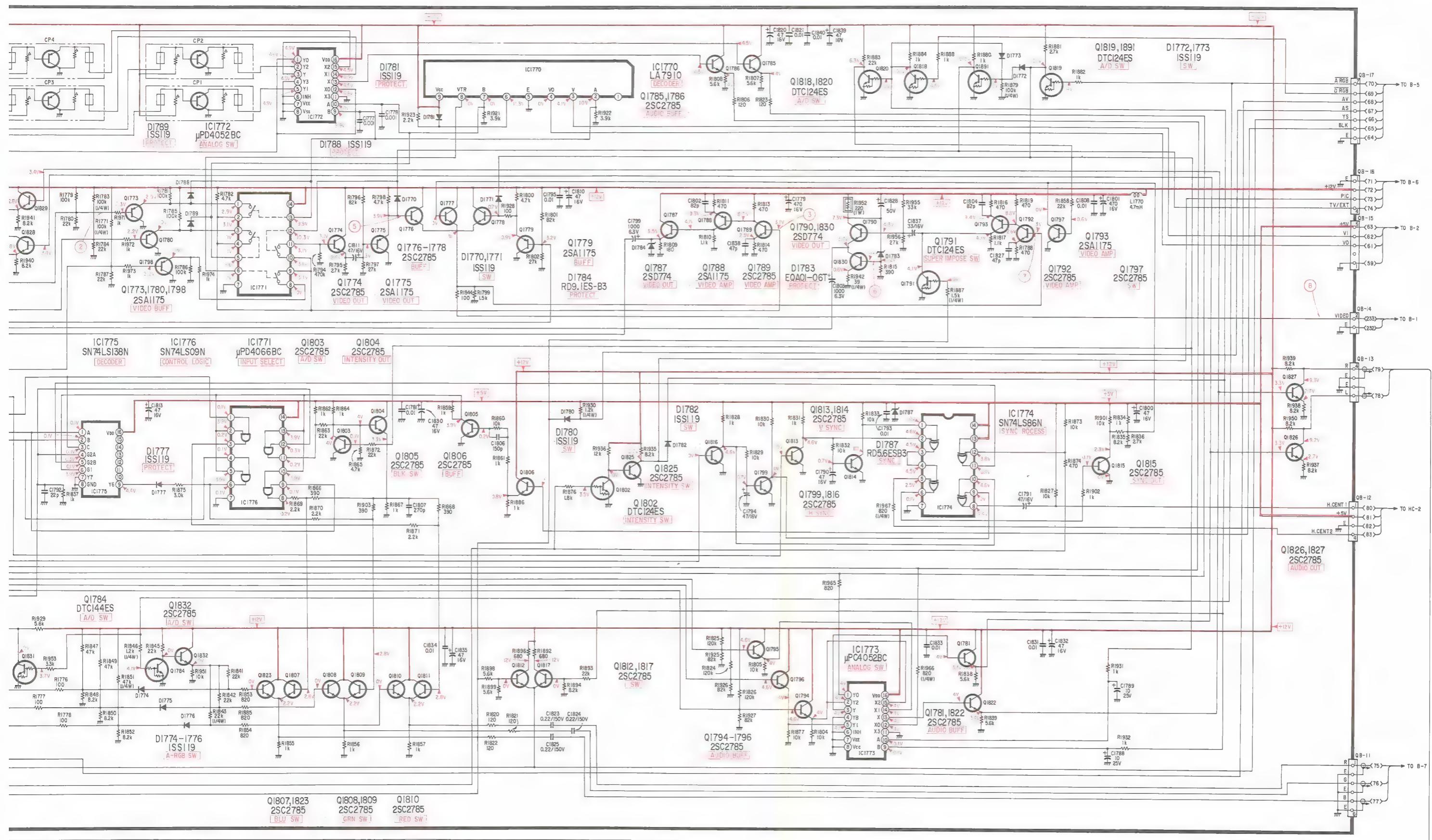
- Note:**
- All capacitors are in μF unless otherwise noted.
 - 50W or less are not indicated except for electrolytics.
 - $\mu\mu\text{F}$
 - All resistors are in ohms. $1/4\text{W}$ unless otherwise noted.
 - $\text{k}\Omega : 1000\Omega$, $\text{M}\Omega : 1000 \text{ k}\Omega$
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - non-flammable resistor.
 - internal component.
 - panel designation.
 - adjustment for repair.
 - B+ bus.
 - B- bus.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Readings are taken with a $10 \text{ M}\Omega$ digital multimeter.
 - Voltage variations may be noted due to normal production tolerances.
 - Readings are taken with a color-bar-signal input.
 - no mark: with PAL color-bar signal received.
 - () : with SECAM color-bar signal received.
 - < > : with NTSC (3.58) color-bar signal received.
 - [] : with NTSC (4.43) color-bar signal received.
 - * : Selected to yield optimum performance.



5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21



14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29



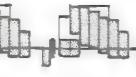
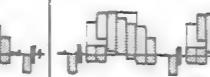
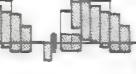
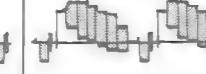
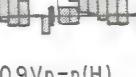
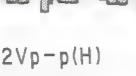
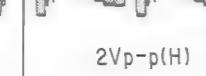
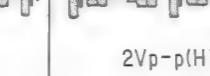
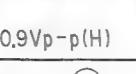
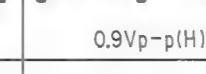
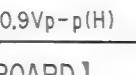
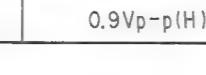
[JACK/CONNECTOR]

QA

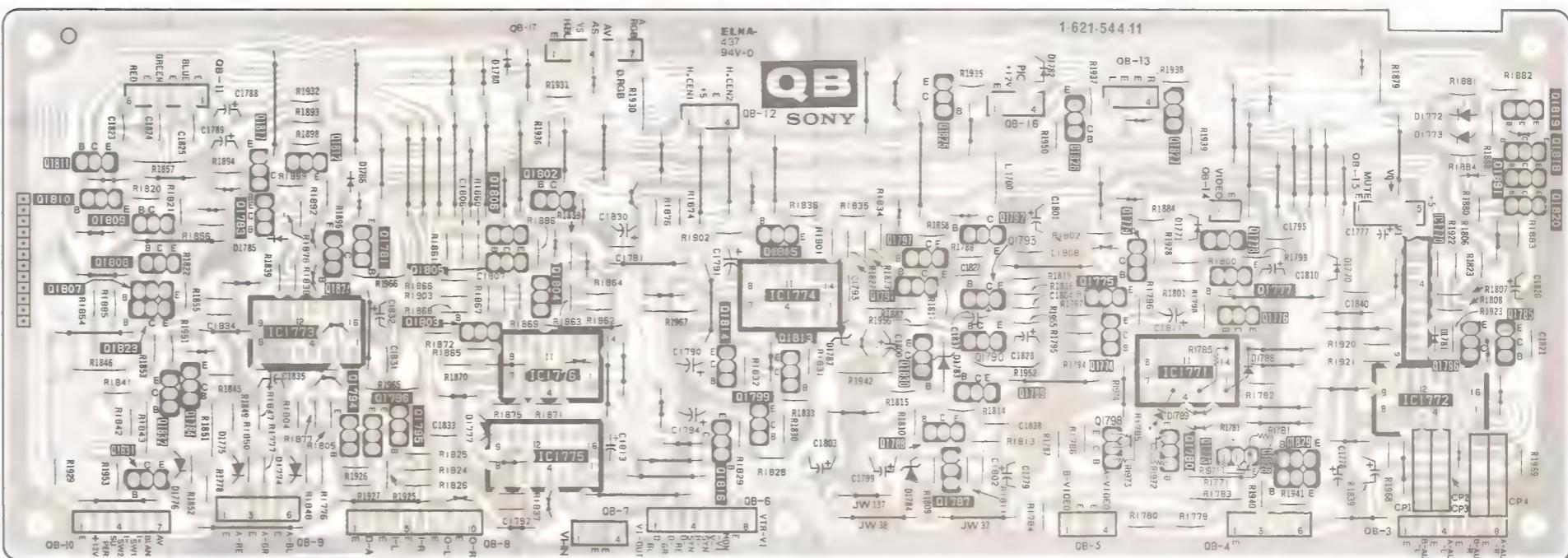
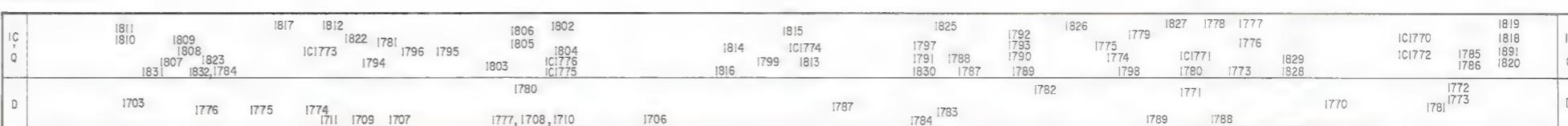
QB

QB QA

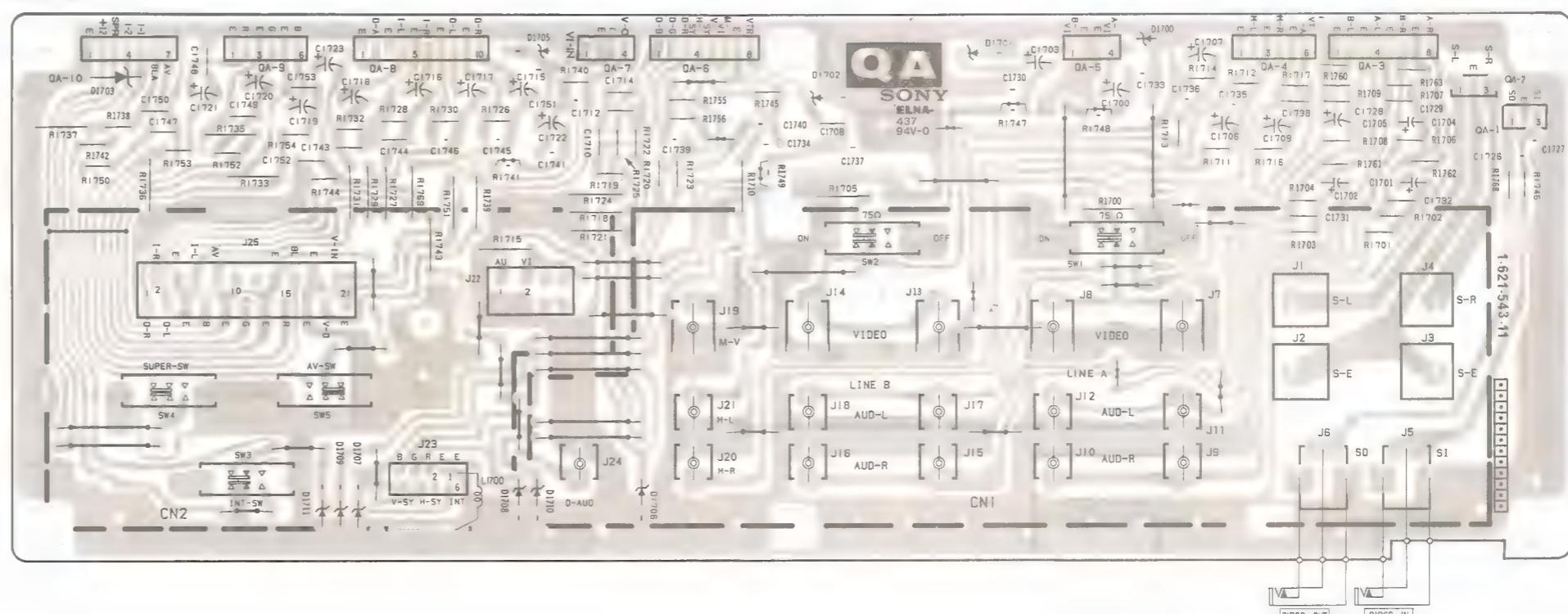
【 QB BOARD 】

PAL	SECAM	NTSC 3.58 4.43
(2) QI773 B  IVp-p(H)	 IVp-p(H)	 IVp-p(H)
(3) QI789 B  IVp-p(H)	 IVp-p(H)	 IVp-p(H)
(4) QB-7 (4)  2Vp-p(H)	 2Vp-p(H)	 2Vp-p(H)
(5) QI776 B  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)
(6) QI830 C  2Vp-p(H)	 2Vp-p(H)	 2Vp-p(H)
(7) QI792 B  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)
(8) QB-14 (2)  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)

QA Board



QB Board



[AUDIO AMP CONTROL]

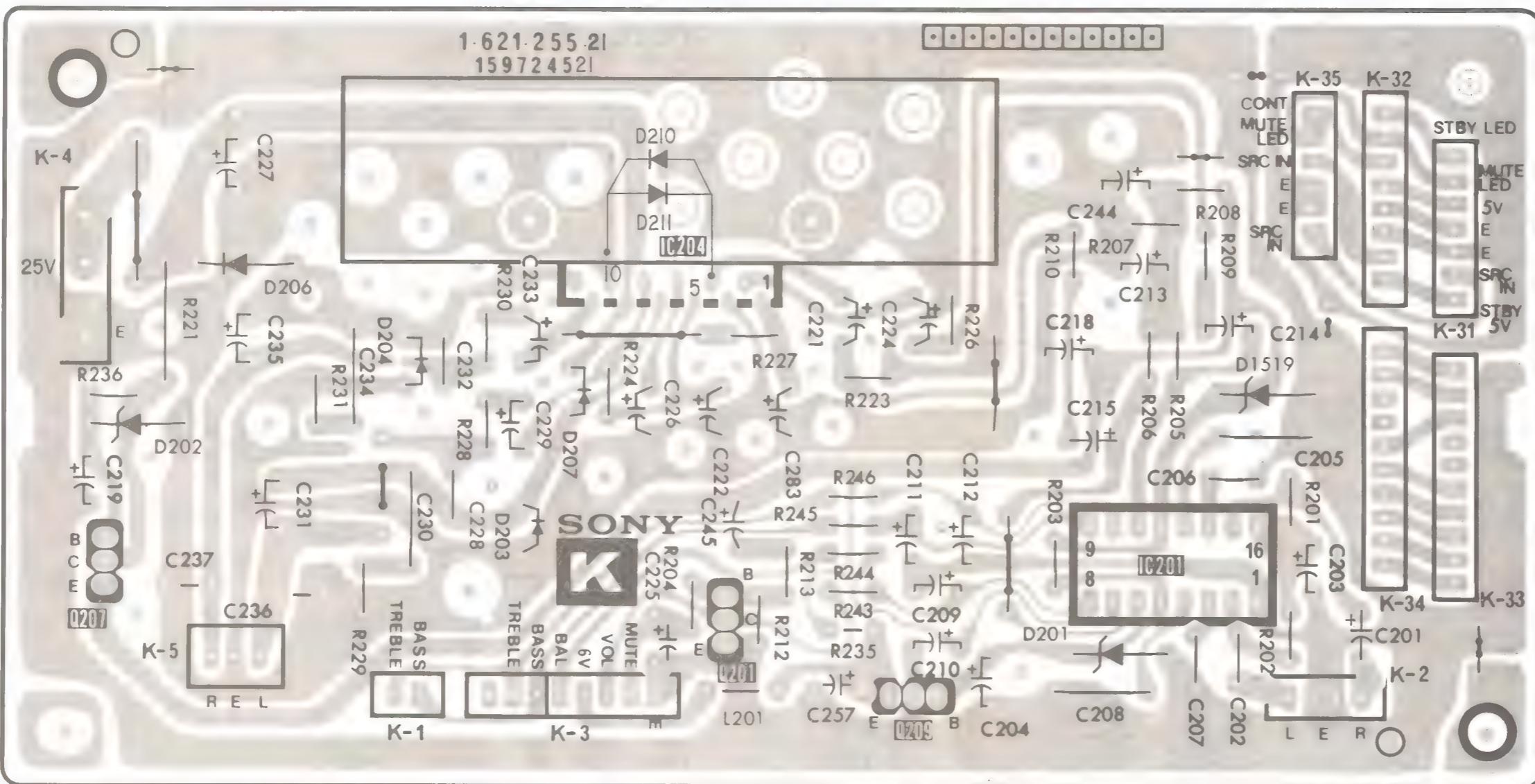
K

K

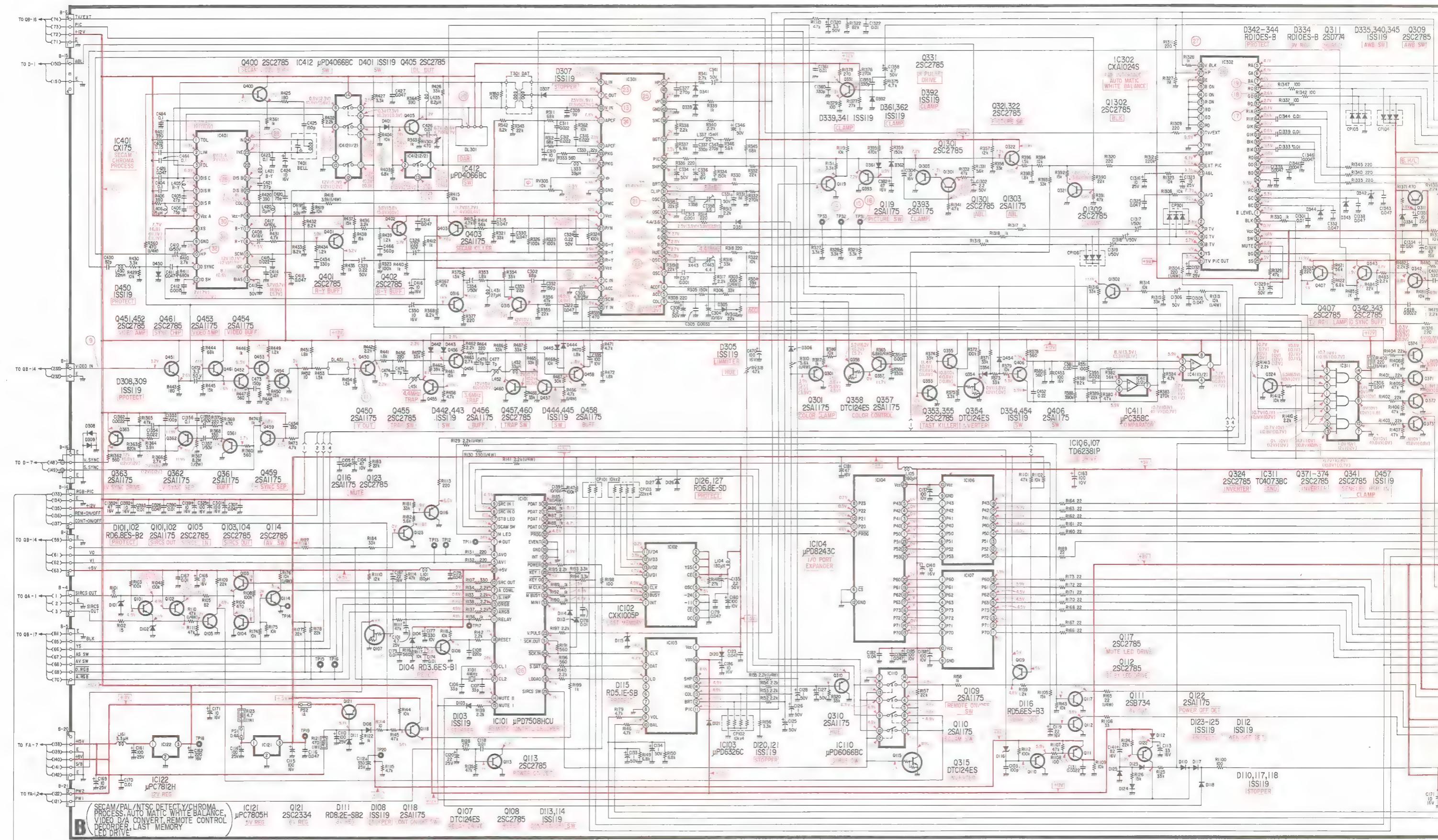
15 16 17 18 19 20 21 22 23 24 25 26 27 28

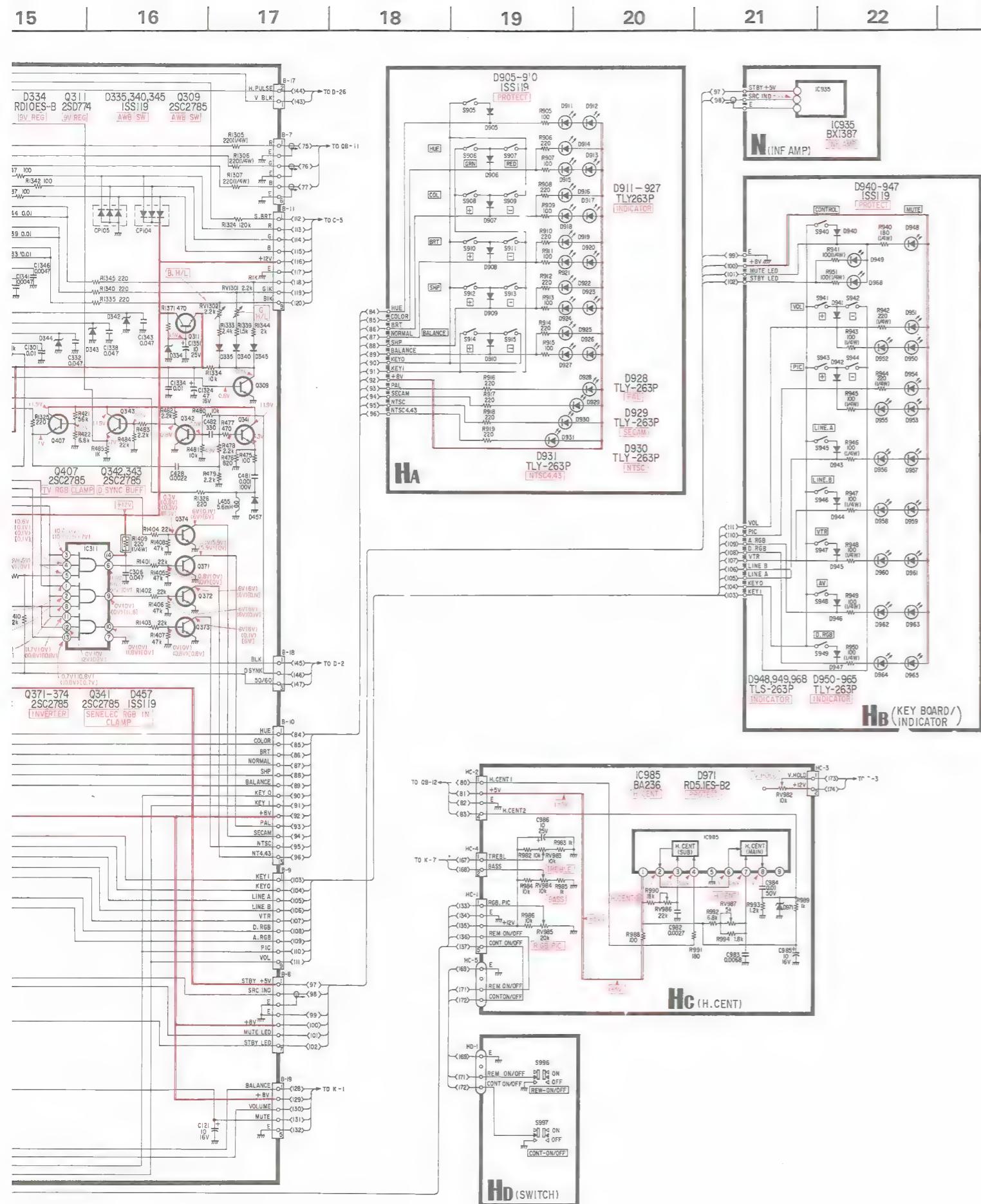
A B C D E F G H I J K L

K Board



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16



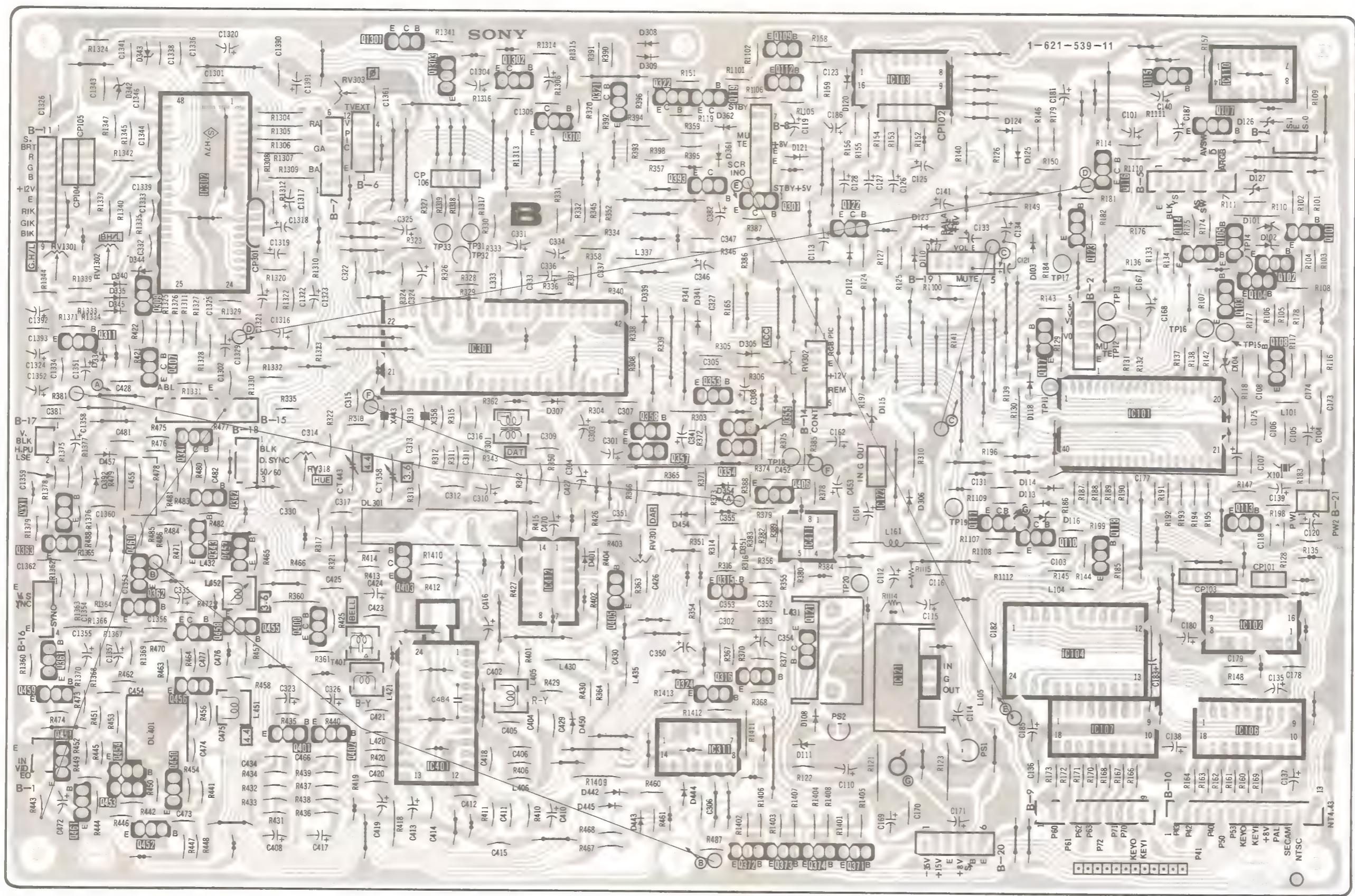


[SECAM/PAL/NTSC DFTFCT, Y/CHROMA PROCESS
AUTOMATIC WHITE BALANCE, VIDEO D/A CONVERT
REMOTO CONTROL DECODER, LAST MEMORY,
LED DRIVE.]

B

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A



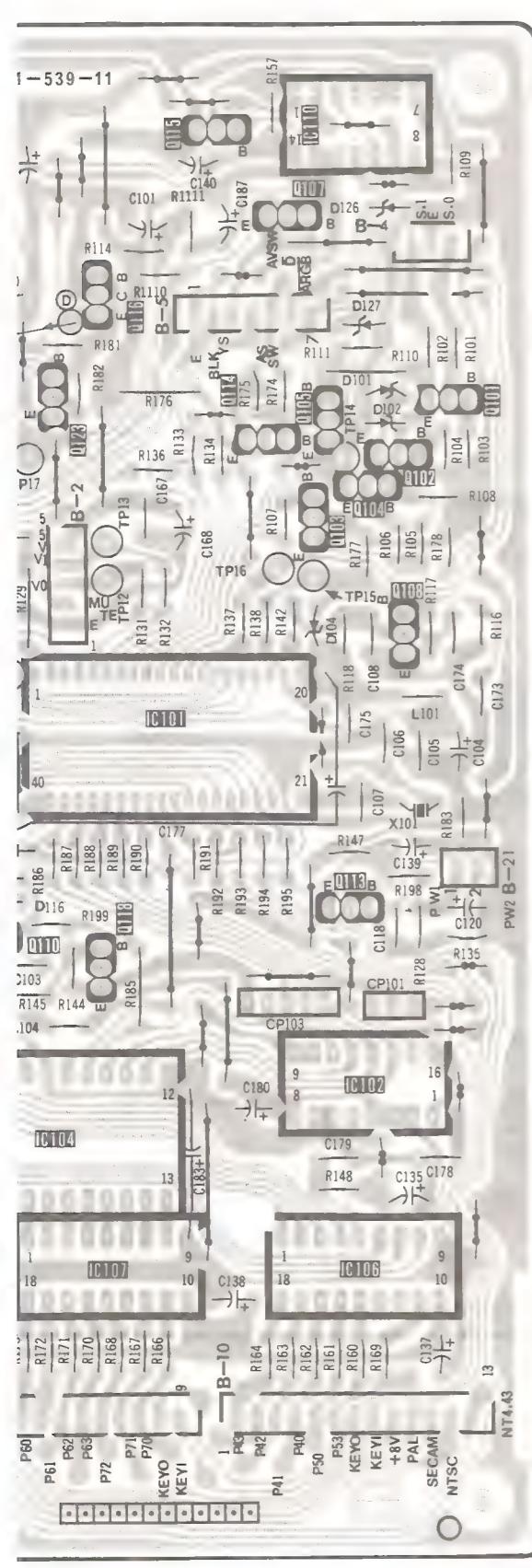
IC	Q	D	ADJ	TP
1301	109	308		
	IC110	343		
	115	309		
1303	IC103	120		
1302	112	342		
321, 322				
119, 107		362, 126	RV303	
310		124		
		361, 125		
	116	121		
393		127		
301				
IC302		101		
122, 123	101	123		
	105	117, 102	RVI301	31
	114	103	RVI302	17
	102	112		14
	104	110		33
	103	344		32
		340		
		335		
309		345		
		339		13
	117	341		16
IC301	108	305, 104	RV302	15
311		334, 118		12
407	353	307		
	IC101	115		
358, 355				
357, 354				
IC122		457	CT443	18
		354	CT358	
341	406	392, 114	RV318	
		306		
		454, 113		
	113	116		
342				
	IC411	110		
331				
343		351		
363, 457	118	401	RV301	19
460	403			
IC412				
405, 315				
362	IC102			
400				
455	IC104			
458	121			
361	IC121			
316				
324				
459, 456				
IC401				
	IC106	450, 108		
401	IC107			
402		111		
IC311				
451				
454				
453				
450		442, 444		
461		445, 443		
452				
372, 373				
374, 371				

[H.CENT.] **HC** [KEY BOARD INDICATOR.] **HB** [KEY BOARD INDICATOR.] **HA**
HA **HB** **HC** **HD** [SWITCH.] **N**

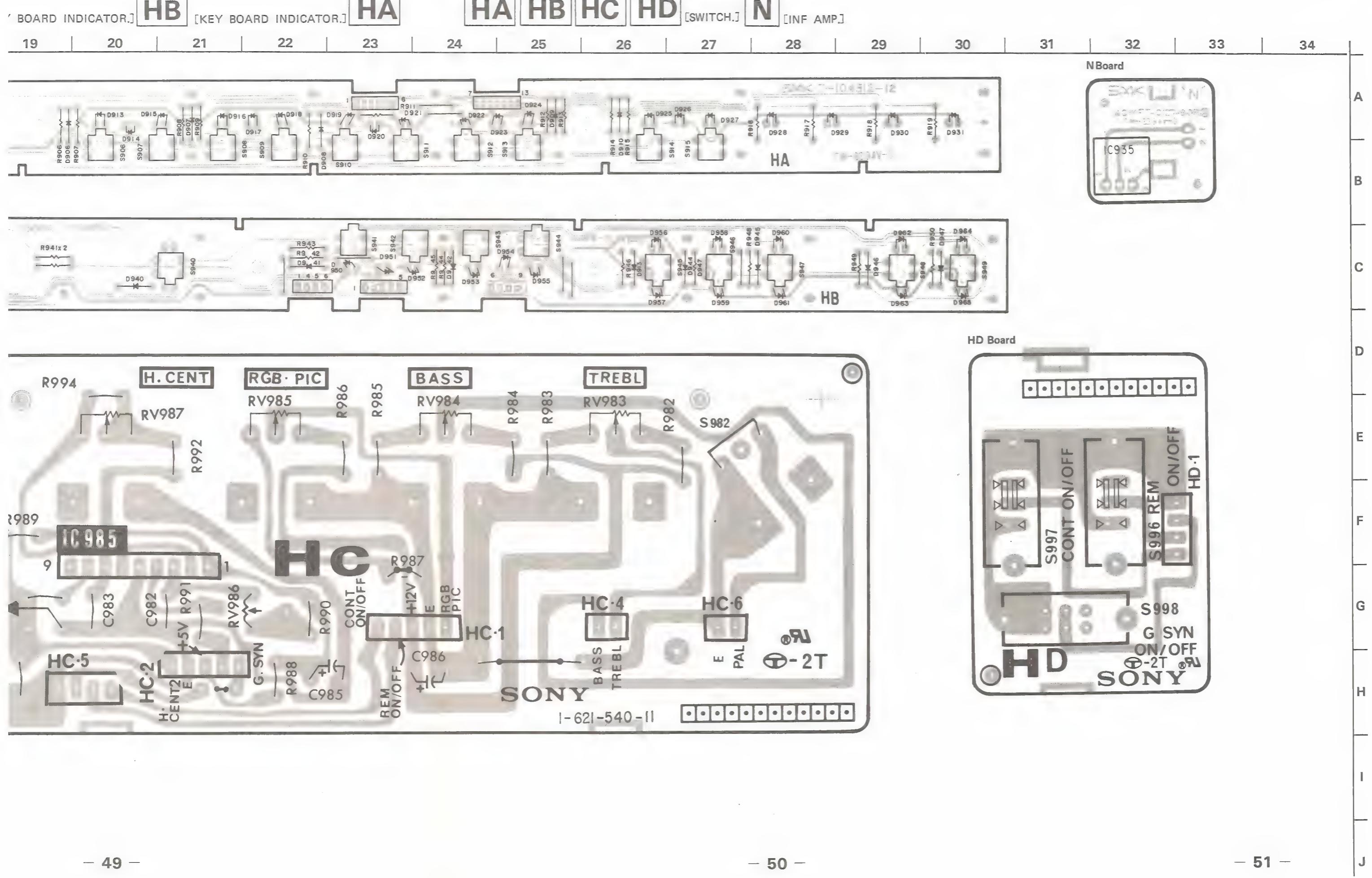
12 13 14

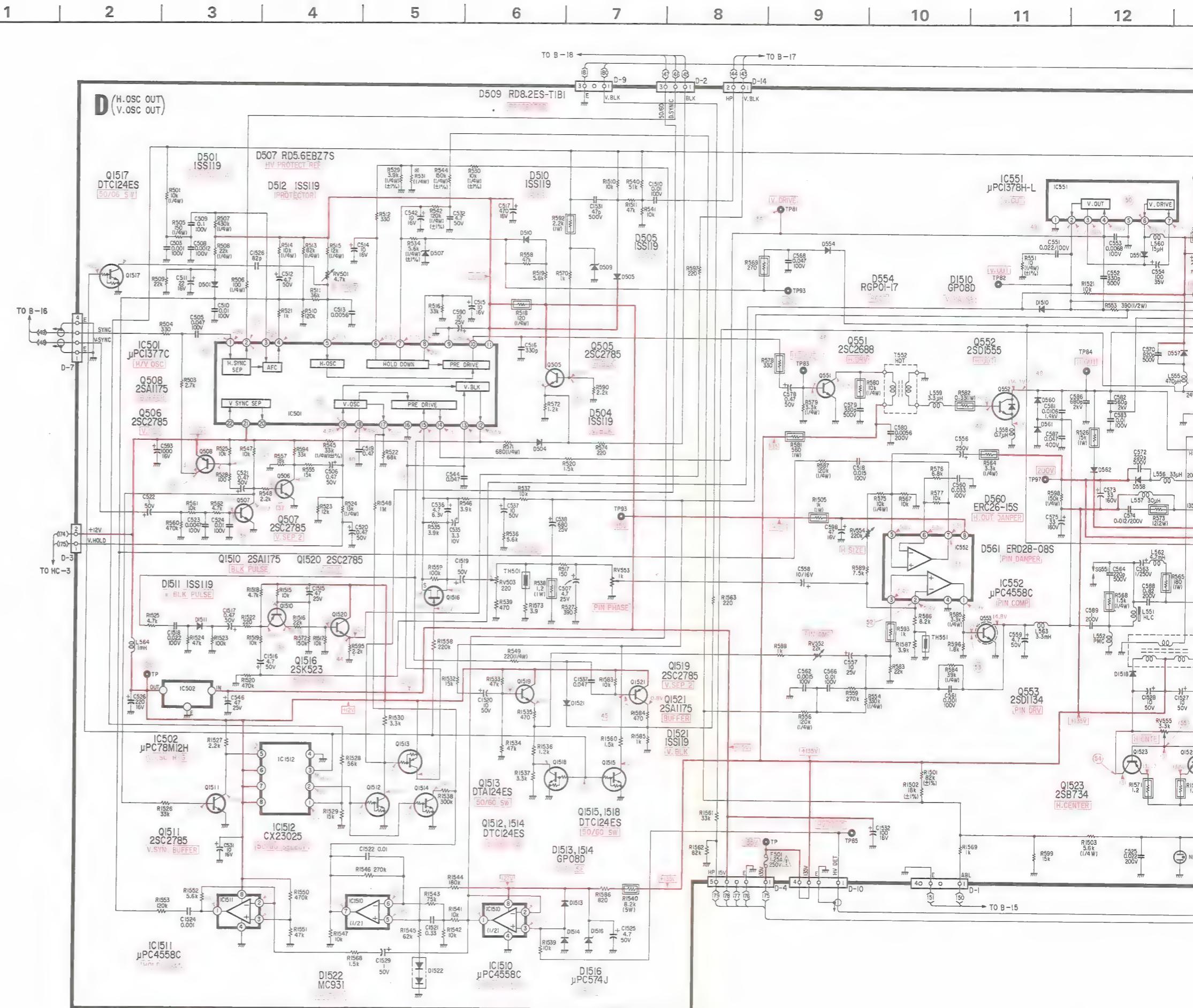
15 16

17 18 19 20 21 22 23 24 25 26 27

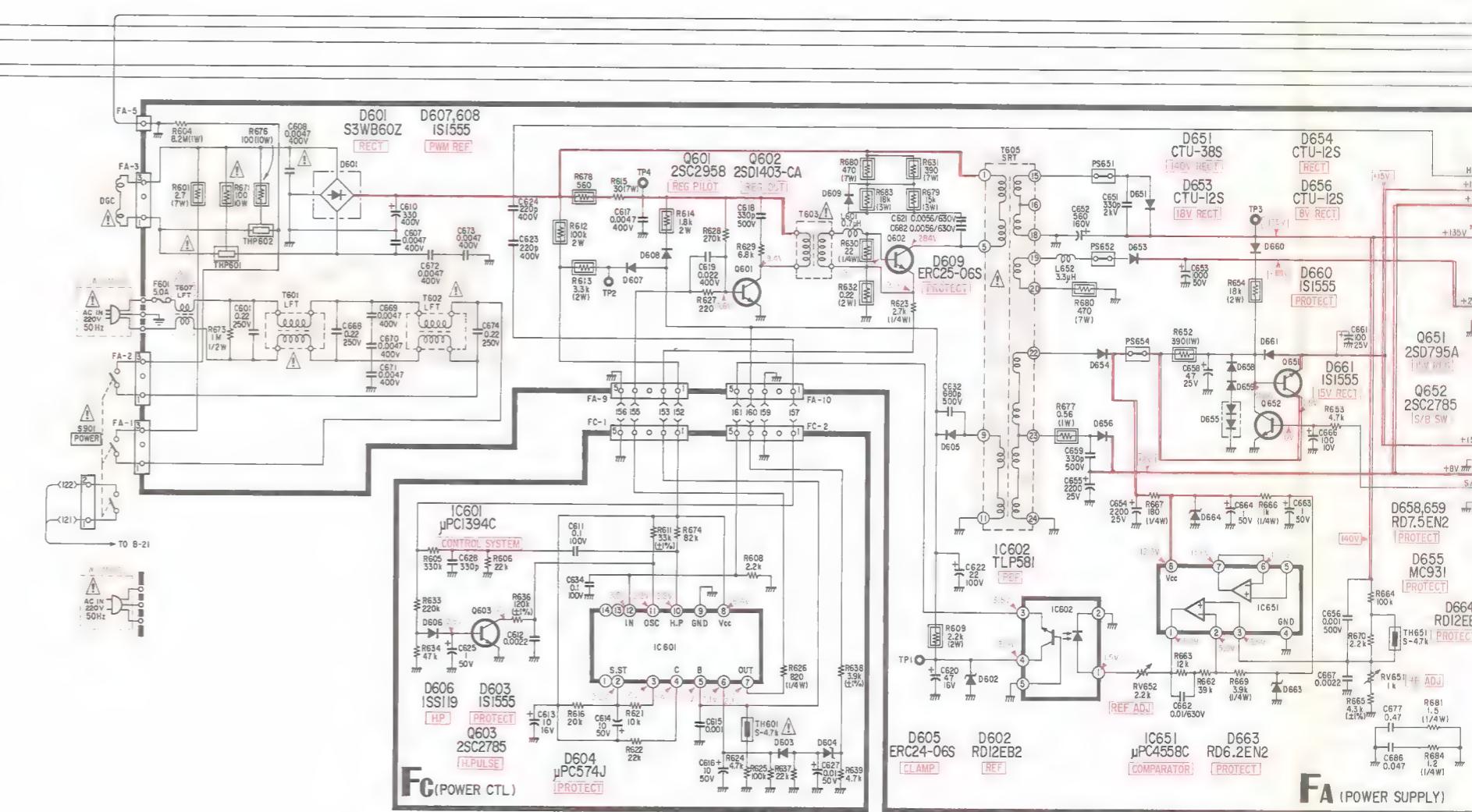
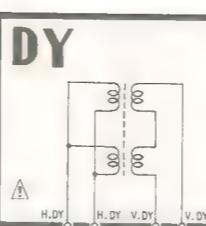
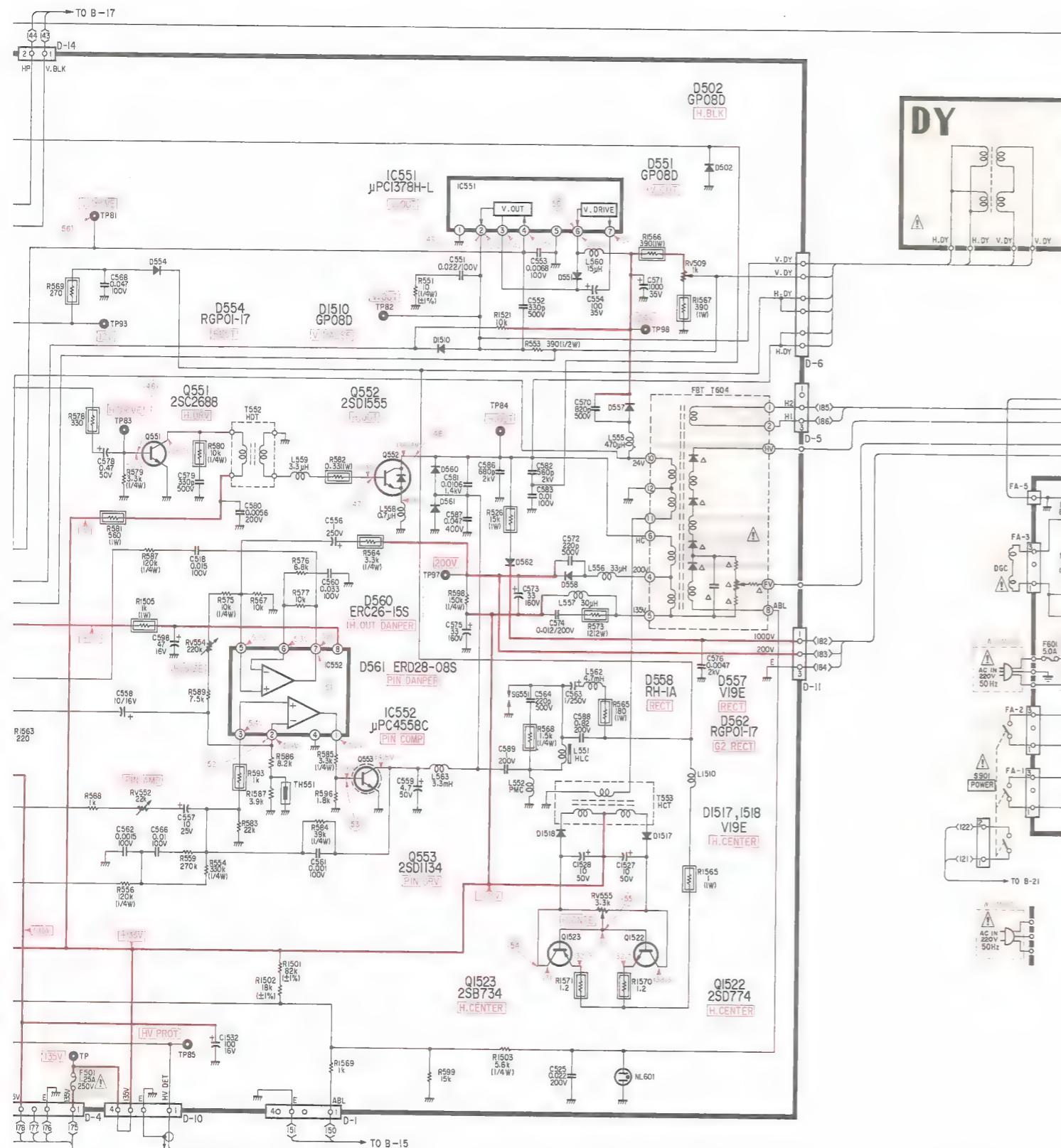


IC	Q	D	ADJ	TP
1301	I09	308		
1303	I10	343		
1302	I11	309		
321, 322	I12	342		
310	I13	362	126	RV303
	I14	124		
	I15	361	125	
	I16	121		
	I17			
	I18			
	I19			
	I20			
	I21			
	I22, I23	I01		
	I23	I27		
	I24			
	I25			
	I26			
	I27			
	I28			
	I29			
	I30			
	I31			
	I32			
	I33			
	I34			
	I35			
	I36			
	I37			
	I38			
	I39			
	I40			
	I41			
	I42			
	I43			
	I44			
	I45			
	I46			
	I47			
	I48			
	I49			
	I50			
	I51			
	I52			
	I53			
	I54			
	I55			
	I56			
	I57			
	I58			
	I59			
	I60			
	I61			
	I62			
	I63			
	I64			
	I65			
	I66			
	I67			
	I68			
	I69			
	I70			
	I71			
	I72			
	I73			
	I74			
	I75			
	I76			
	I77			
	I78			
	I79			
	I80			
	I81			
	I82			
	I83			
	I84			
	I85			
	I86			
	I87			
	I88			
	I89			
	I90			
	I91			
	I92			
	I93			
	I94			
	I95			
	I96			
	I97			
	I98			
	I99			
	I100			
	I101			
	I102			
	I103			
	I104			
	I105			
	I106			
	I107			
	I108			
	I109			
	I110			
	I111			
	I112			
	I113			
	I114			
	I115			
	I116			
	I117			
	I118			
	I119			
	I120			
	I121			
	I122			
	I123			
	I124			
	I125			
	I126			
	I127			
	I128			
	I129			
	I130			
	I131			
	I132			
	I133			
	I134			
	I135			
	I136			
	I137			
	I138			
	I139			
	I140			
	I141			
	I142			
	I143			
	I144			
	I145			
	I146			
	I147			
	I148			
	I149			
	I150			
	I151			
	I152			
	I153			
	I154			
	I155			
	I156			
	I157			
	I158			
	I159			
	I160			
	I161			
	I162			
	I163			
	I164			
	I165			
	I166			
	I167			
	I168			
	I169			
	I170			
	I171			
	I172			
	I173			
	I174			
	I175			
	I176			
	I177			
	I178			
	I179			
	I180			
	I181			
	I182			
	I183			
	I184			
	I185			
	I186			
	I187			
	I188			
	I189			
	I190			
	I191			
	I192			
	I193			
	I194			
	I195			
	I196			
	I197			
	I198			
	I199			
	I200			
	I201			
	I202			
	I203			
	I204			
	I205			
	I206			
	I207			
	I208			
	I209			
	I210			
	I211			
	I212			
	I213			
	I214			
	I215			
	I216			
	I217			
	I218			
	I219			
	I220			
	I221			
	I222			
	I223			
	I224			
	I225			
	I226			
	I227			
	I228			
	I229			
	I230			
	I231			
	I232			
	I233			
	I234			
	I235			
	I236			
	I237			
	I238			
	I239			
	I240			
	I241			
	I242			
	I243			
	I244			
	I245			
	I246			
	I247			
	I248			
	I249			
	I250			
	I251			
	I252			
	I253			
	I254			
	I255			
	I256			
	I257			
	I258			
	I259			





9 | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24**



- 54 -

— 55 —

15

16

17

18

19

20

21

2

2

2

2

1

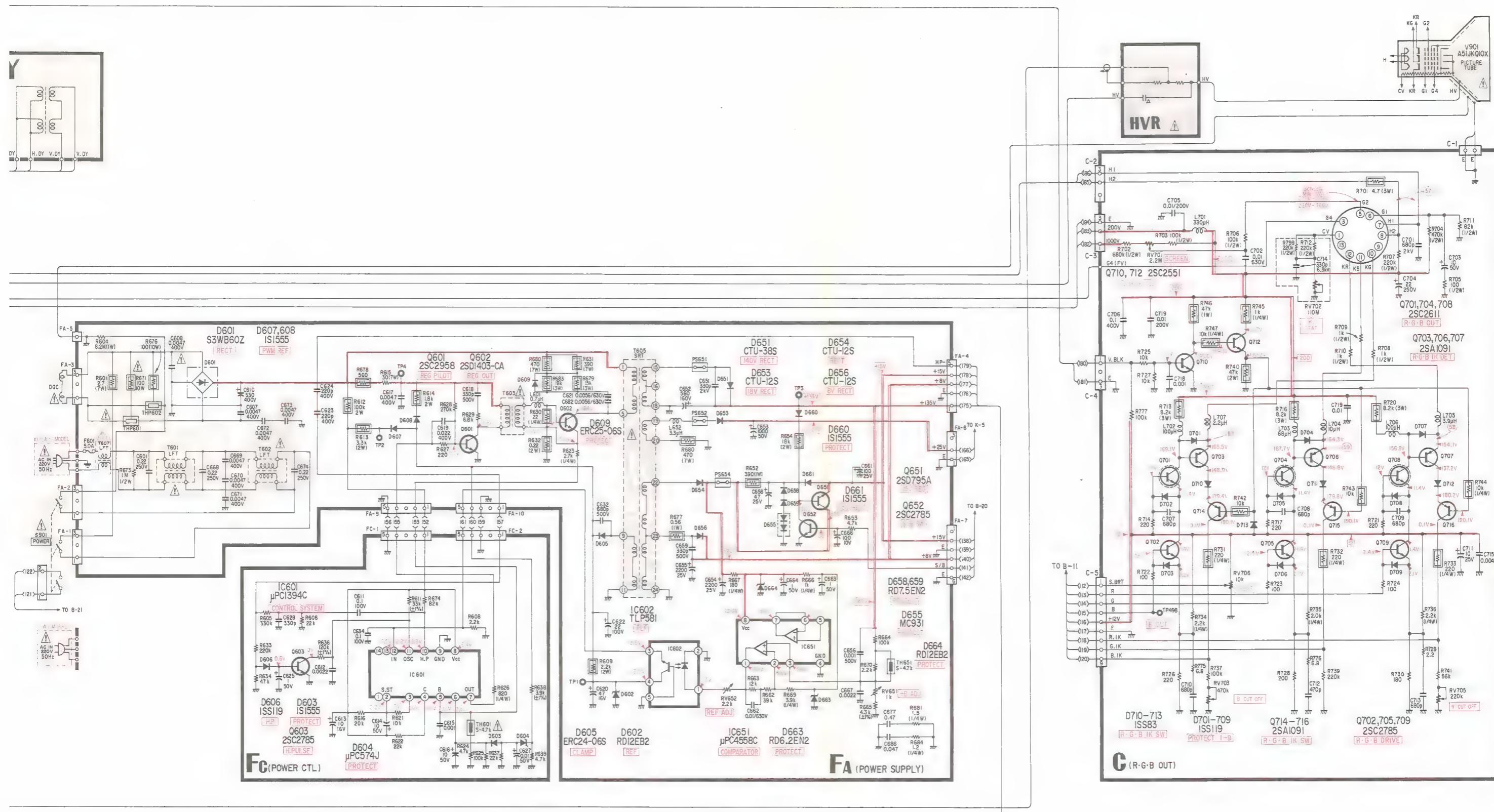
1

1

1

1

31



[SYNC SEP, H/V OSC, H/S OUT
PIN CONP, PIN OUT, H/V CONP, BLK.]

D

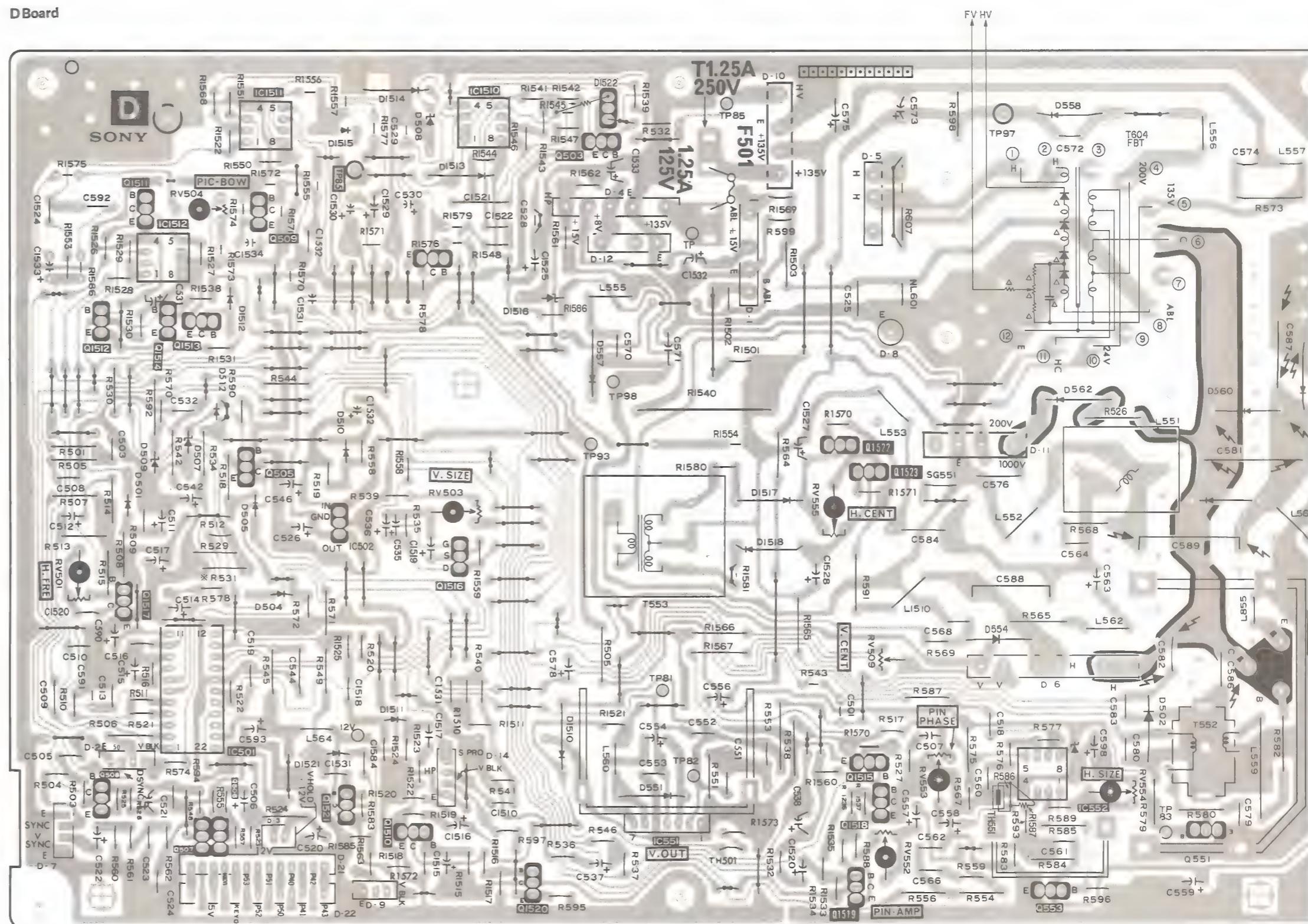
1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

A [D BOARD]

(33)	(40)	(47)	(54)
 1.8Vp-p(H) IC501 (1)	 1.5Vp-p(V) IC501 (15)	 4Vp-p(H) Q552 B	 30Vp-p(H) Q1523 C
(34)	(41)	(48)	(55)
 1.8Vp-p(H) IC501 (2)	 0.8Vp-p(V) IC501 (15)	 140Vp-p(H) Q552 C	 1Vp-p(H) Q1522 B
(35)	(42)	(49)	(56)
 1.5Vp-p(H) Q508 C	 4.2Vp-p(H) Q505 B	 130Vp-p(V) IC551 (2)	 2.1Vp-p(V) TPB1
(36)	(43)	(50)	
 2Vp-p(V) Q508 B	 10Vp-p(V) Q1510 C	 2.4Vp-p(V) IC551 (6)	
(37)	(44)	(51)	
 0.5Vp-p(V) Q506 B	 13Vp-p(V) Q1520 E	 1Vp-p(H) IC552 (7)	
(38)	(45)	(52)	
 2.2Vp-p(V) Q507 B	 5.8Vp-p(V) Q1521 E	 1Vp-p(V) IC552 (2)	
(39)	(46)	(53)	
 2Vp-p(V) IC501 (9)	 17Vp-p(H) Q551 B	 30Vp-p(H) Q553 E	

D Board



[RGB OUT]

C

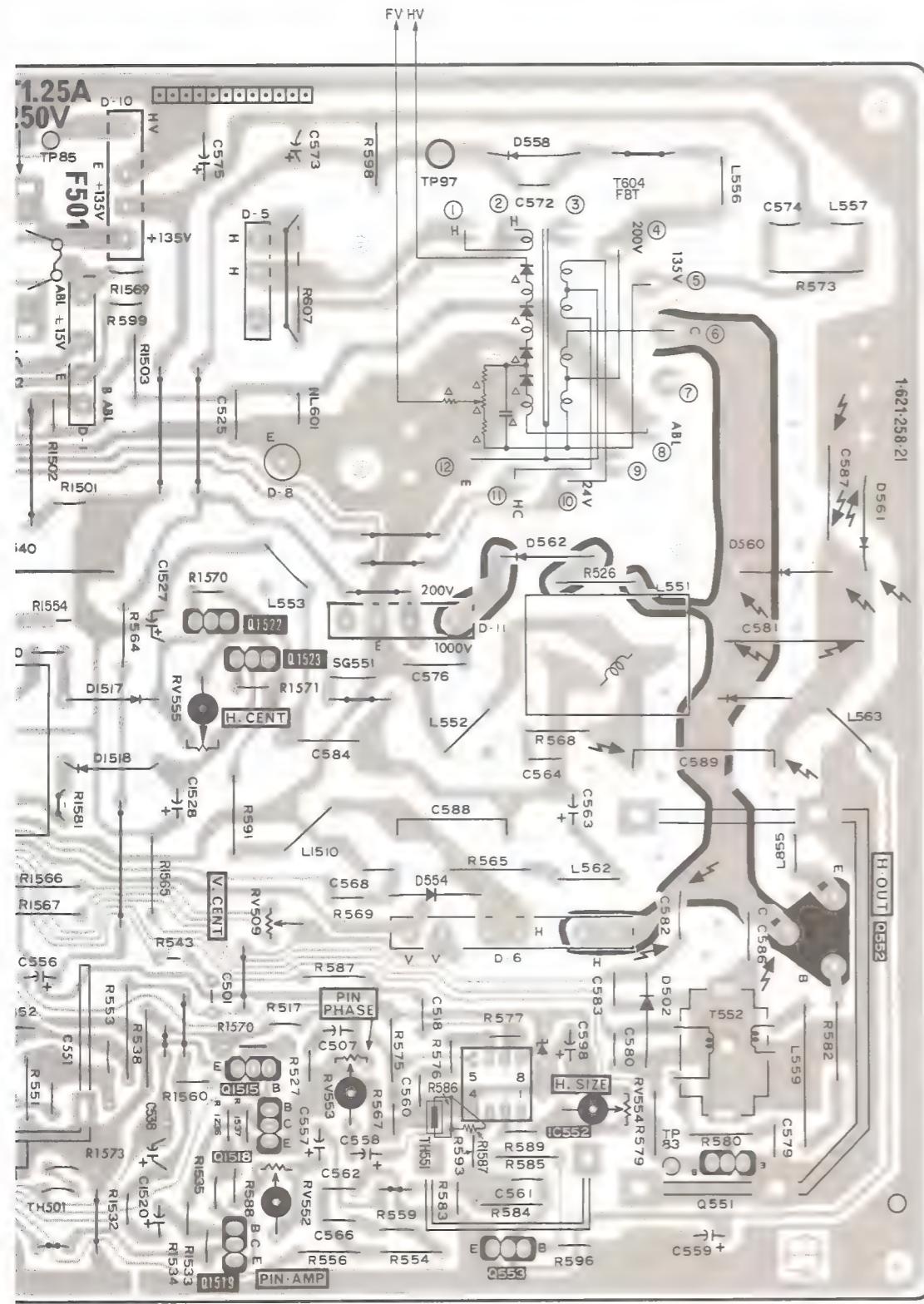
C FA

[POWER SUPPLY.]

FC

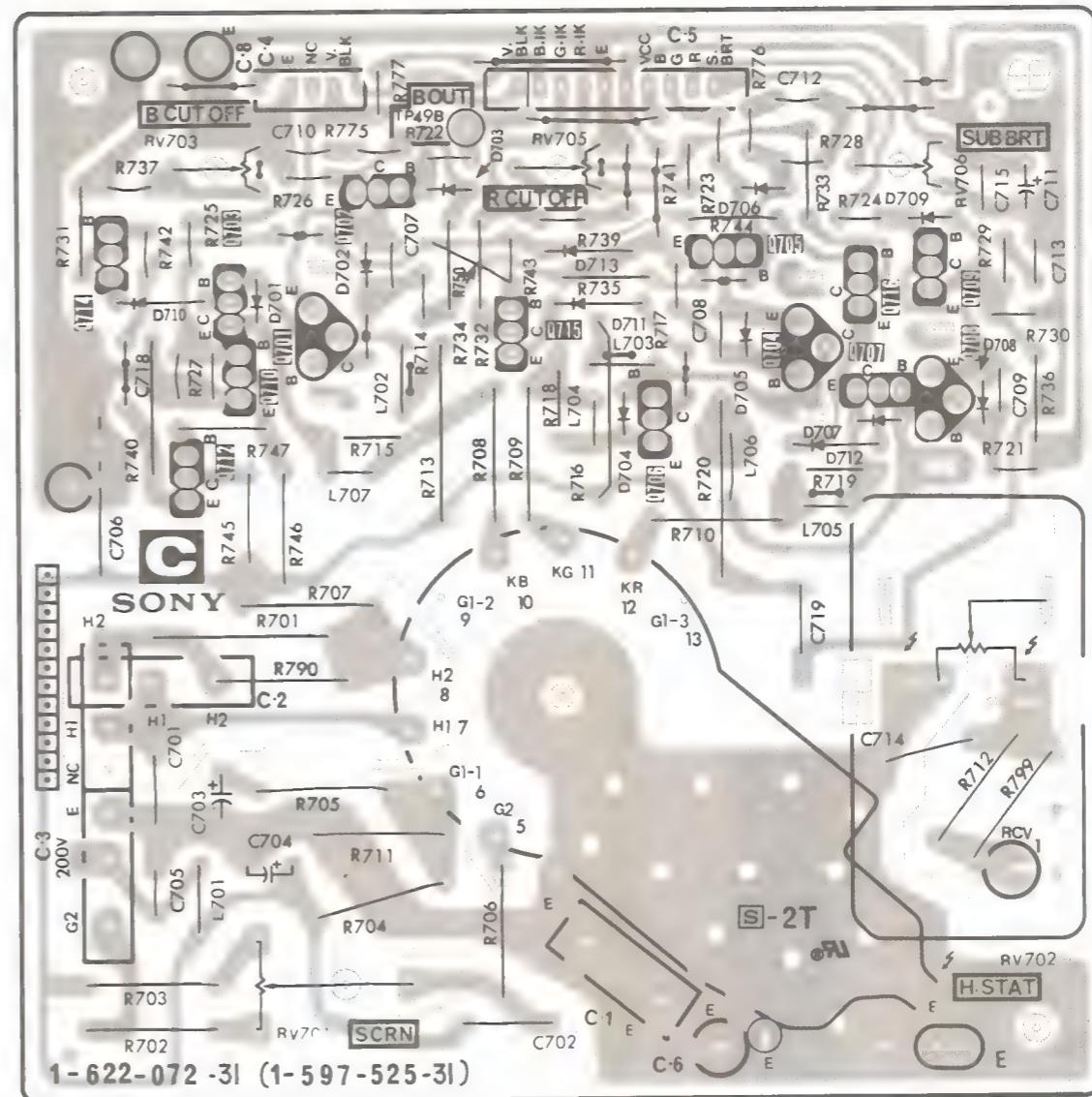
[POWER C]

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

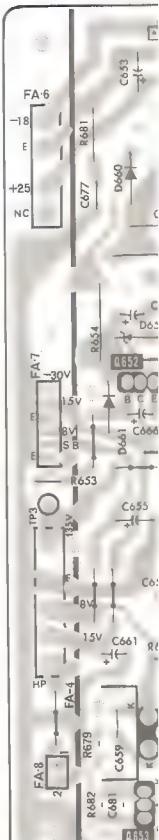


IC, Q	D	ADJ	TP
IC1510 IC1511	1522 1514	558	97
IC1511 IC1512	1513	1513	85
IC1512	1516	1514 1513	98
IC1516	557	561 562 560	93
IC1522 IC1523	507 510 509	RV555 RV503	93
IC1502	501 505	1517	RV555 RV503
IC1518	1518	505	RV501
IC1516	504	554	RV509
IC1501	552	552	81
IC1552 508 1521 IC1551 1510 1506 1507	1511 1510 1521 1518 1518 551	RV553 RV554	82
IC1552 1515 1518 1521 IC1551 1510 1506 1507	551	RV552	83
IC1519	1519	553	
IC, Q	D	ADJ	TP

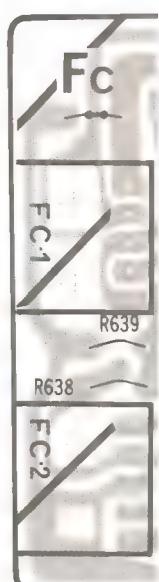
CBoard



FA Board



FC Board



19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

A

B

C

D

E

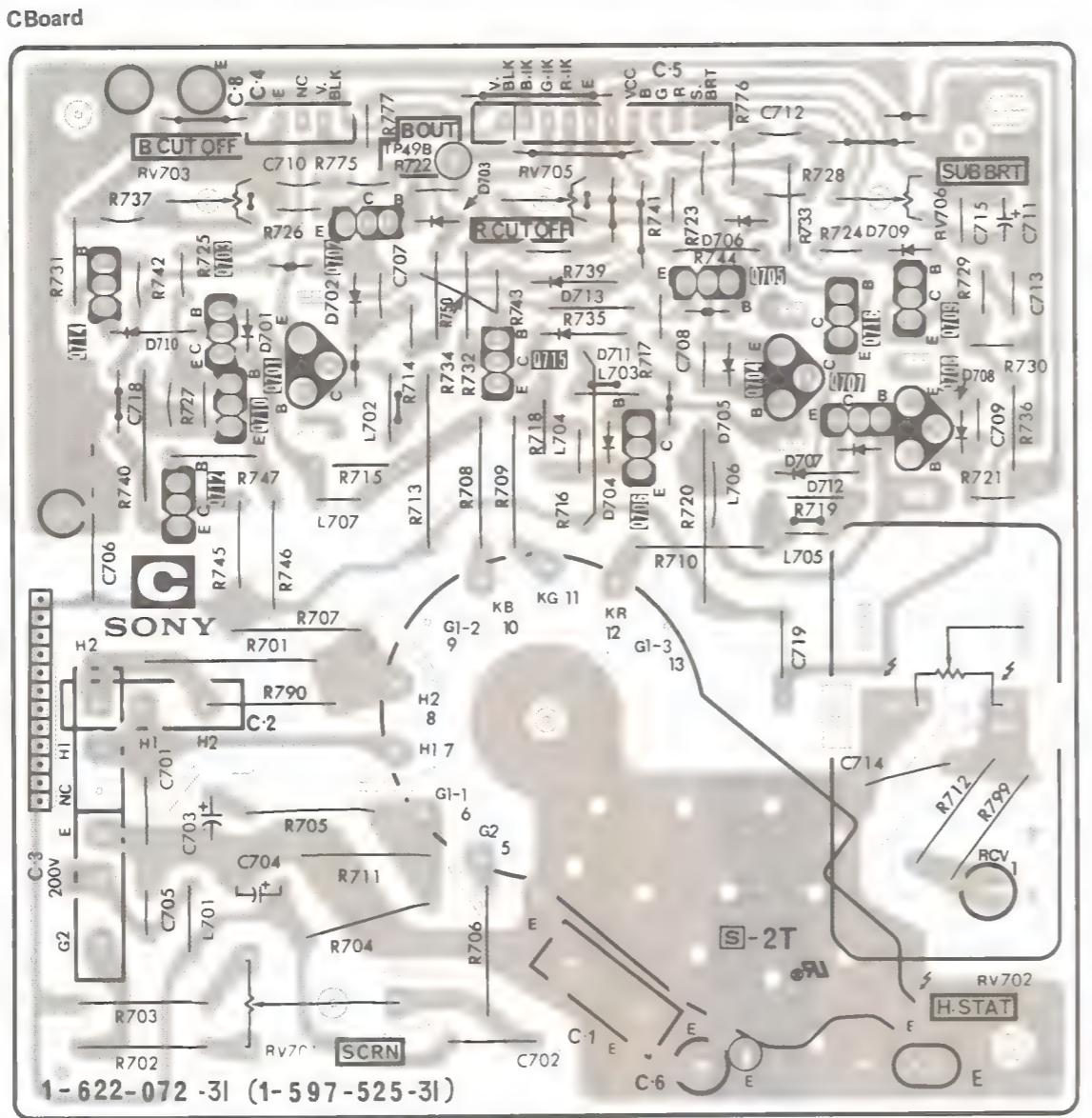
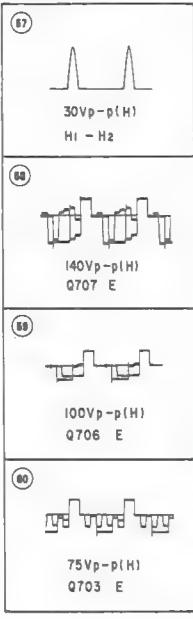
F

G

H

J

[C BOARD]



[C BOARD]

C

[POWER SUPPLY.]

FC

[POWER CTL]

27

28

29

30

31

32

33

34

[FA BOARD]

A

B

C

D

E

F

G

H

J

I

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

AT

AU

AV

AW

AX

AY

AZ

BA

BB

BC

BD

BE

BF

BG

BH

BI

BJ

BK

BL

BM

BN

BO

BP

BQ

BS

BT

BU

BV

BW

BX

BY

BZ

CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

CL

CM

CN

CO

CP

CQ

CS

CT

CU

CV

CW

CX

CY

CZ

DA

DB

DC

DD

DE

DF

DG

DH

DI

DJ

DK

DL

DM

DN

DO

DP

DQ

DS

DT

DU

DV

DW

DX

DY

DZ

EA

EB

EC

ED

EE

EF

EG

EH

EI

EJ

EK

EL

EM

EN

EO

EP

EQ

ES

ET

EU

EV

EW

EX

FY

GK

GA

GB

GC

GD

GE

GF

GG

GH

GI

GJ

GK

GL

GM

GN

GO

GP

GQ

GS

GT

GU

GV

GW

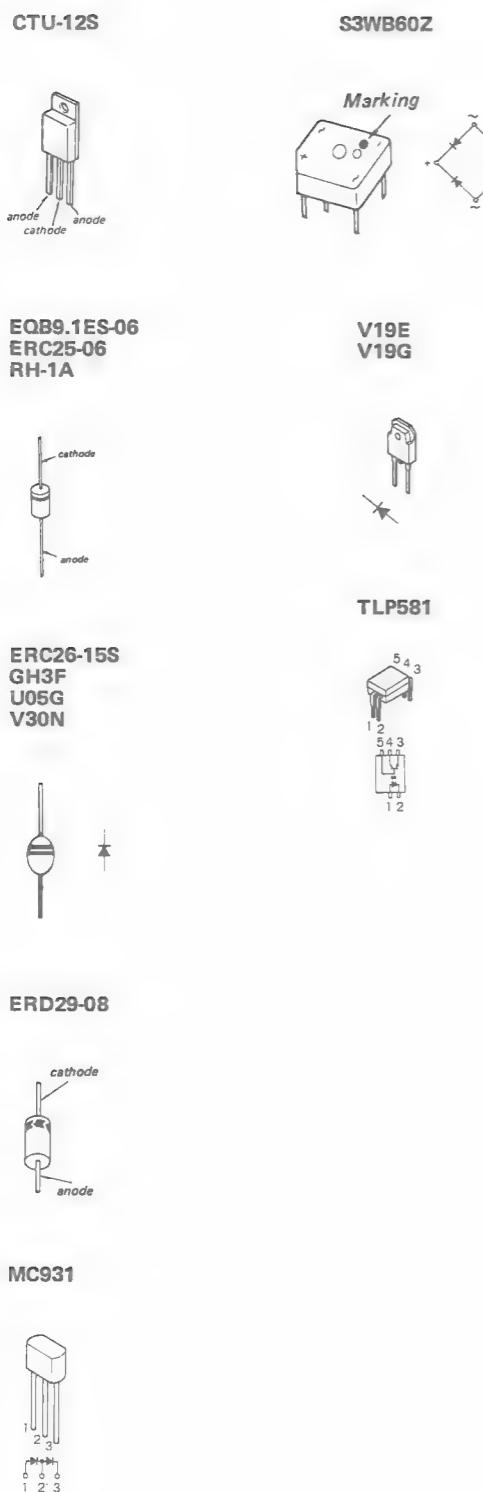
GX

FY

GK

GA

SECTION 6 EXPLODED VIEWS



NOTE:

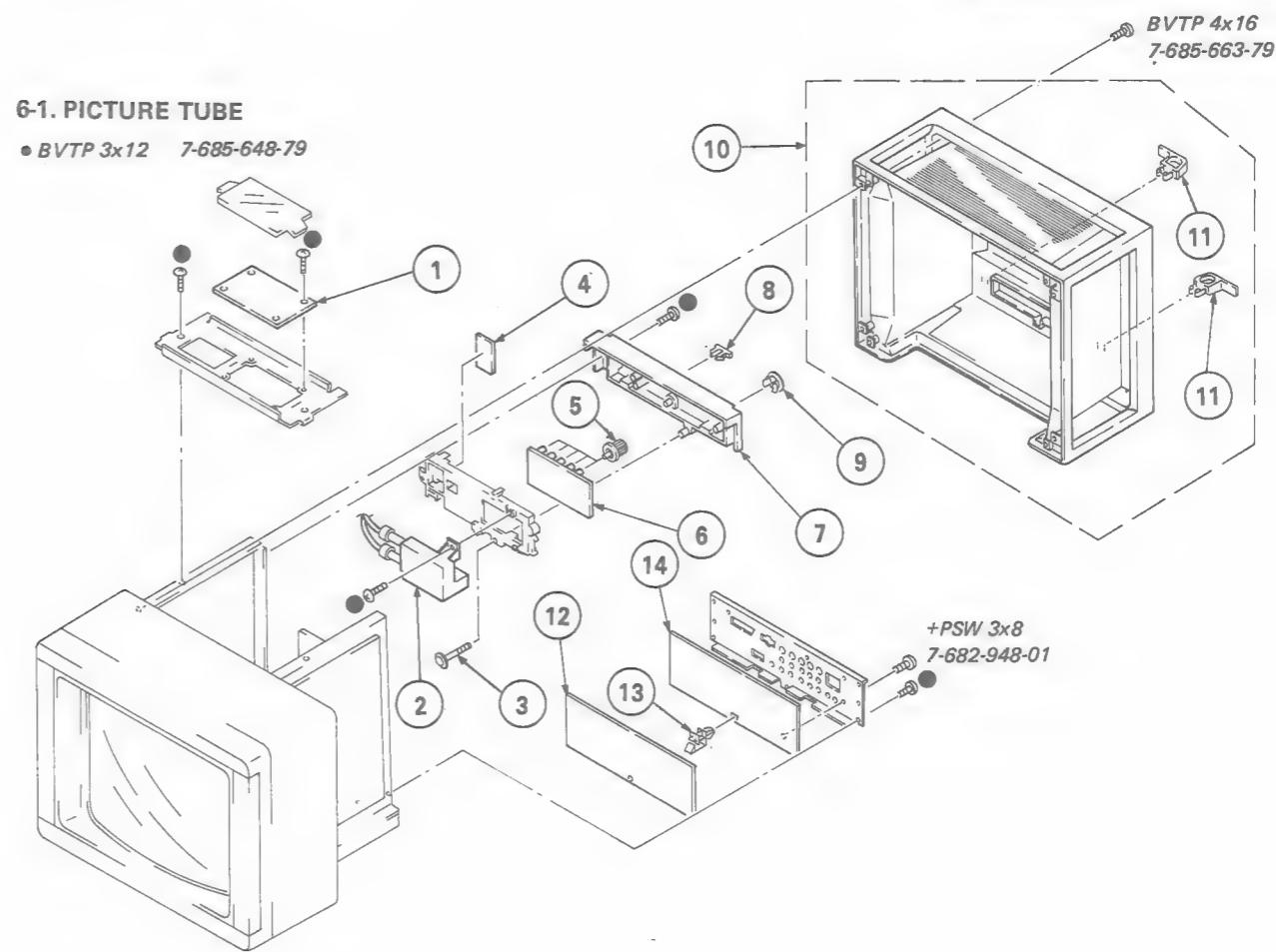
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

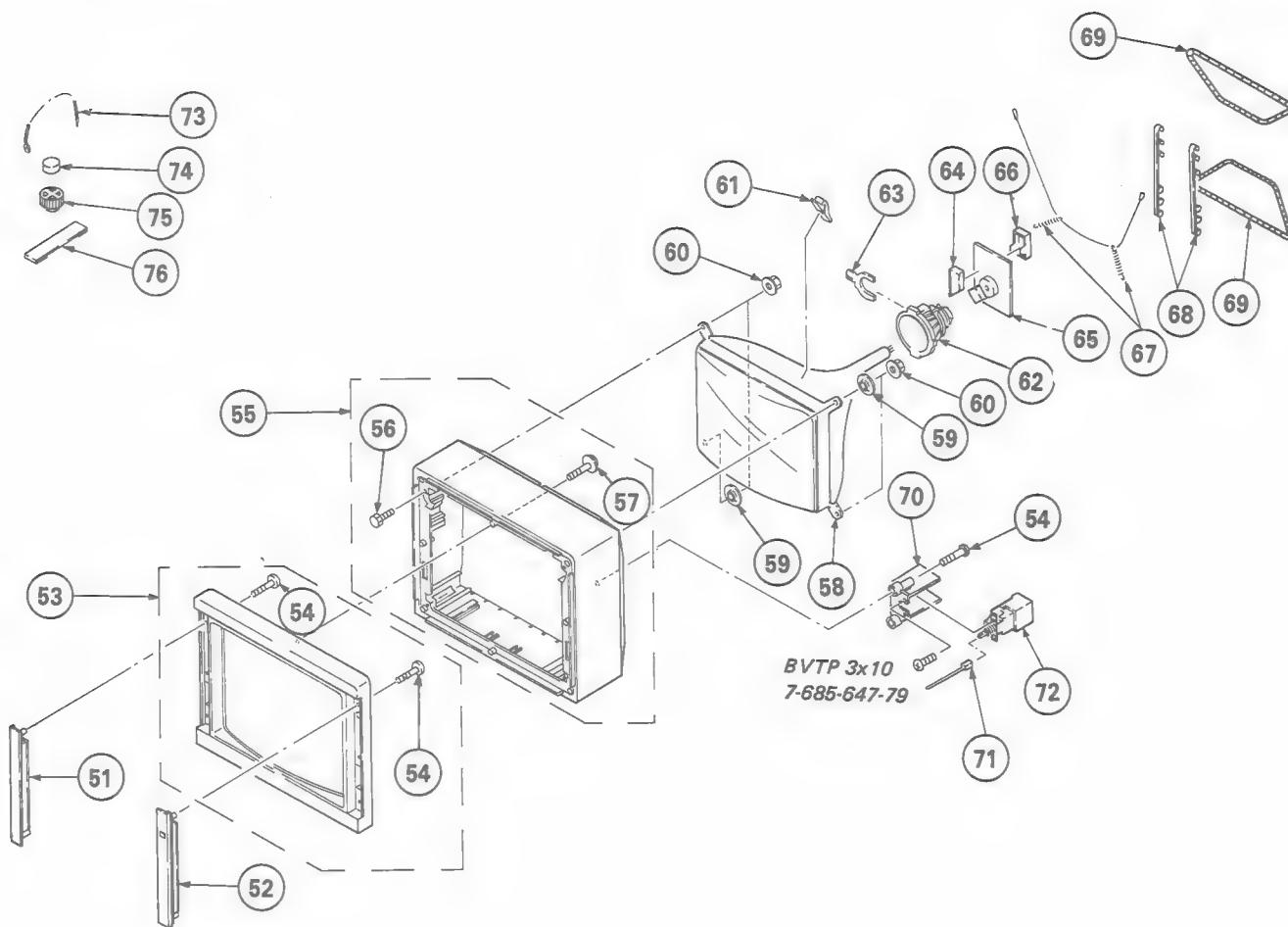
6-1. PICTURE TUBE

• BVTP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*A-1389-865-A	K BOARD, COMPLETE		8	4-371-176-01	CAP, SQUARE	
2	▲1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE		9	4-371-181-01	CAP	
3	4-319-520-11	SCREW, SPECIAL (+PW4X30)		10	X-4374-166-3	COVER ASSY, REAR	11
4	*1-621-541-11	HD BOARD		11	4-316-003-21	HOLDER, CORD	
5	4-381-166-01	KNOB (A), CONTROL		12	*A-1270-213-A	QB BOARD, COMPLETE	
6	*A-1375-066-A	HC BOARD, COMPLETE		13	*3-680-721-00	HOLDER, CHASSIS	
7	4-382-035-21	PANEL, CONTROL		14	*A-1270-212-A	QA BOARD, COMPLETE (AEP,AUS ONLY)	
							*A-1270-223-A QA BOARD,COMPLETE (WG ONLY)

6-2. CHASSIS

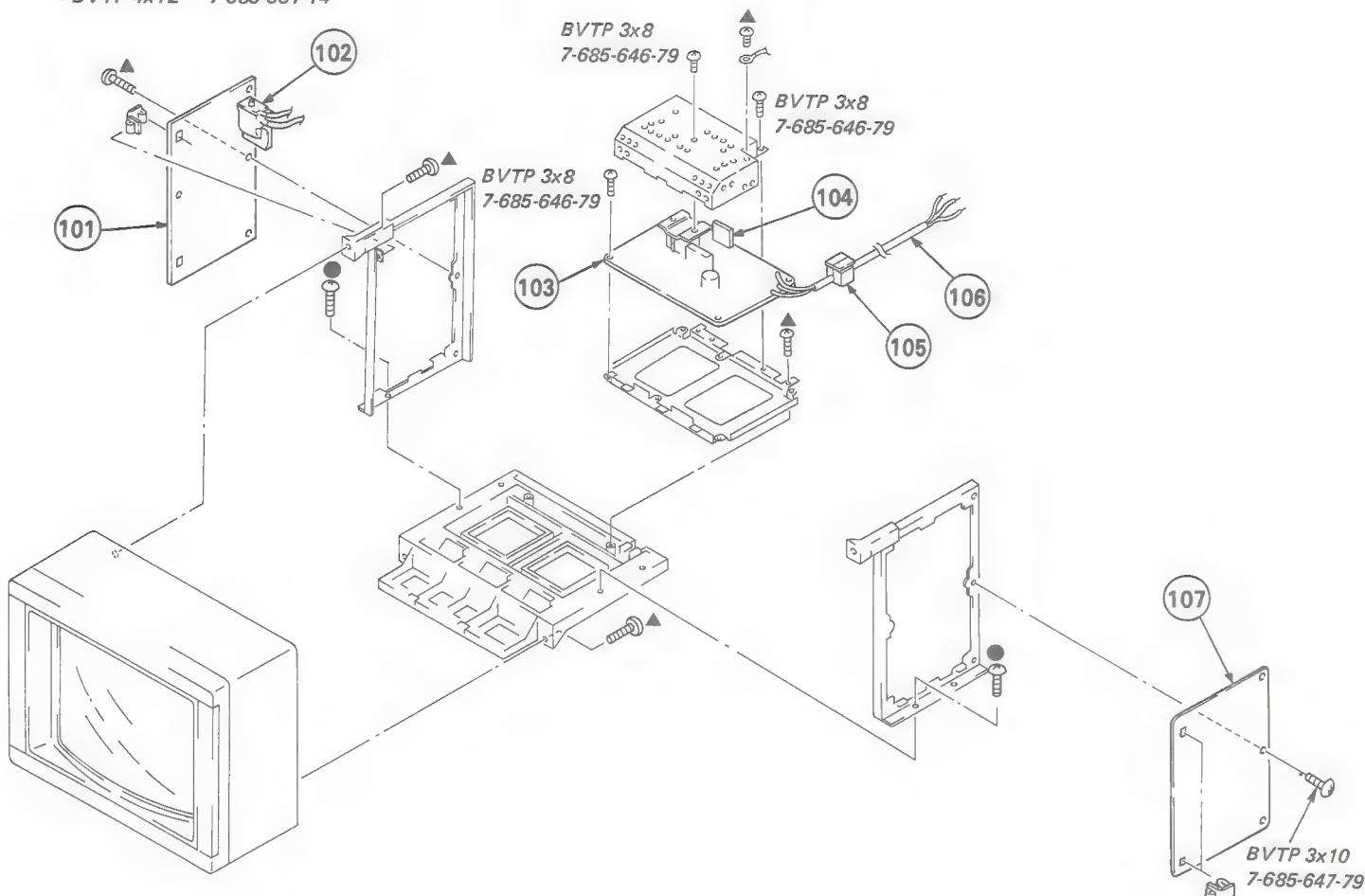


The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	1-464-803-11	KEY BOARD UNIT (A)		64	*4-379-167-01	COVER (MAIN), CV	
52	1-464-804-11	KEY BOARD UNIT (B)		65	*A-1330-801-A	C BOARD, COMPLETE	
53	X-4374-194-1	BEZEL ASSY		66	*4-379-160-01	COVER (REAR LID), CV	
54	3-703-083-00	+ BV 3X25		67	4-369-318-00	SPRING, TENSION	
55	X-4374-195-1	CABINET ASSY		68	*4-369-319-00	BAND, COIL	
56	3-703-025-12	BOLT M5, HEXAGON-HEAD		69	COIL, DEMAGNETIZATION		
57	4-319-520-11	SCREW, SPECIAL (+PW4X30)		70	*4-383-128-01	COVER, MAIN SWITCH	
58	PICTURE TUBE (A51JKQ10X)		71	*4-371-182-01	SHAFT		
59	4-373-615-02	WASHER, CRT POSITIONING		72	SWITCH, PUSH (AC POWER)(1 KEY)		
60	4-306-034-00	FLANGE NUT, (B) 5MM		73	4-308-870-00	CLIP, LEAD WIRE	
61	3-703-003-00	SPACER, DY		74	1-452-032-00	MAGNET, DISK; 10MM Ø	
62	DEFLECTION YOKE (SY-153E)		75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø		
63	1-452-277-00	MAGNET, BMC		76	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

6-3. BACK COVER

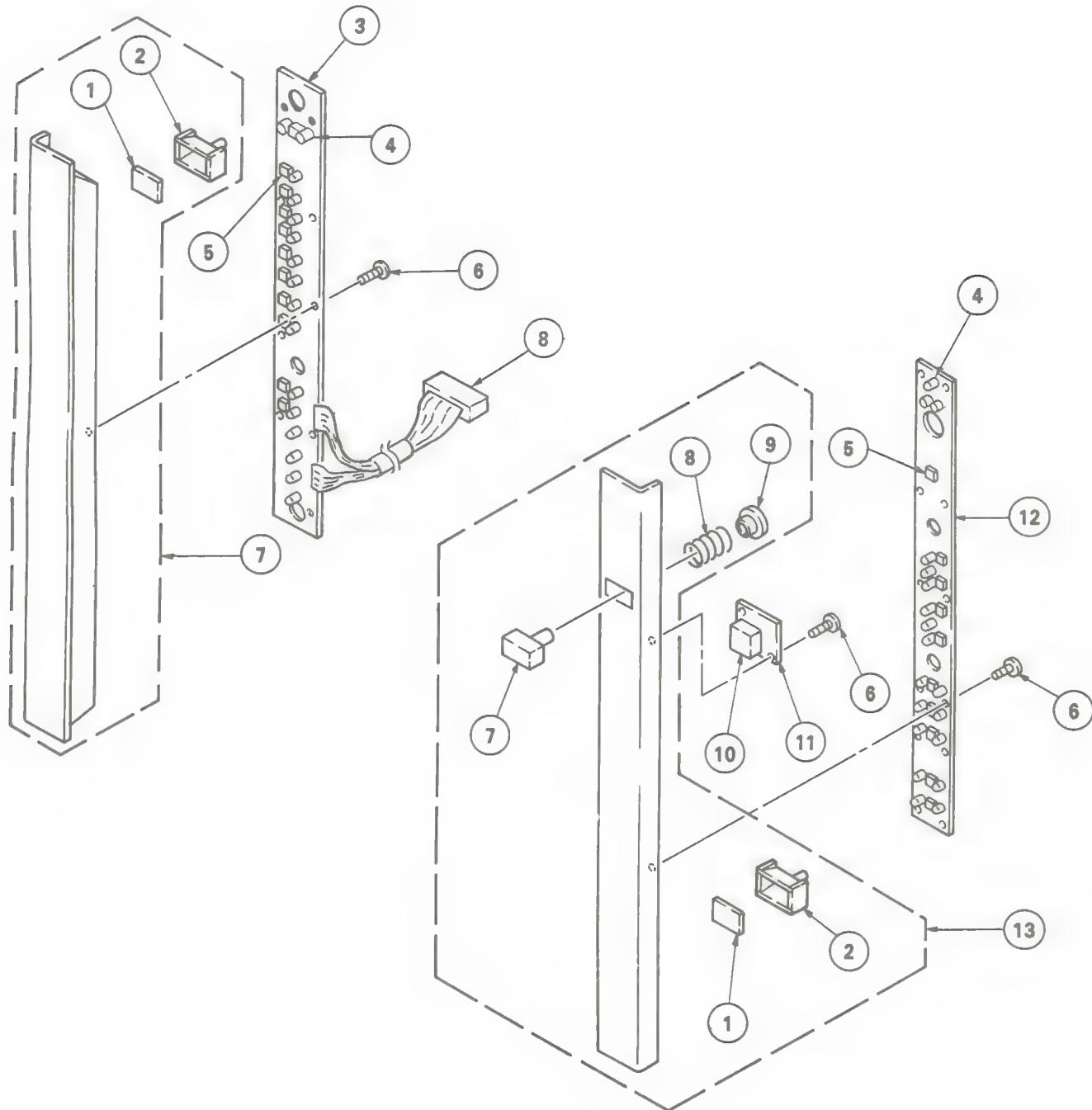
- BVTP 3x12 7-685-648-79
- ▲ BVTP 4x12 7-685-661-14



The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*A-1345-708-A	D BOARD, COMPLETE		105	▲.*4-364-726-01	BUSHING, AC CORD	
102	▲.1-439-372-32	TRANSFORMER ASSY, FLYBACK		106	▲.1-534-820-13	POWER CORD (AEP, AUS ONLY)	
103	*A-1245-395-A	FA BOARD, COMPLETE (AEP, AUS ONLY)	104	▲.1-559-409-11	POWER CORD (WG ONLY)		
104	*A-1245-414-A	FA BOARD, COMPLETE (WG ONLY)	104	107	*A-1135-448-A	B BOARD, COMPLETE	
	*1-621-548-11	FC BOARD					

6-4. KEY BOARD UNIT



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	9-990-892-01	ILLUMINATOR A		1	9-990-892-01	ILLUMINATOR A	
2	9-990-891-01	REFLECTOR A		2	9-990-891-01	REFLECTOR A	
3	*9-992-308-01	HA BOARD		4	9-990-895-01	SPACER	
4	9-990-895-01	SPACER		5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		6	9-990-894-01	TAPPING SCREW	
6	9-990-894-01	TAPPING SCREW		7	9-990-899-01	KEY TOP	
7	9-992-310-01	FRAME ASSY	1,2	8	9-990-902-01	COIL SPRING	
8	9-992-309-01	HARNESS		9	9-990-900-01	STOPPER	
				10	8-741-138-70	DETECTOR (BX1387)	
				11	*9-990-898-01	N BOARD	
				12	*9-992-401-01	HB BOARD	
				13	9-992-402-01	FRAME ASSY	1,2,7,8,9

SECTION 7

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- CAPACITORS
• MF : μF , PF : $\mu\mu F$

- RESISTORS
• All resistors are in ohms
• F : nonflammable
- COILS
• MMH : mH, UH : μH

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	*A-1135-448-A	B BOARD, COMPLETE	*****	C138	1-123-307-00	ELECT	100MF 20%
		*****		C139	1-123-356-00	ELECT	10MF 20%
		CONNECTOR		C140	1-123-356-00	ELECT	10MF 20%
B1	*1-566-054-11	PIN, CONNECTOR 2P		C141	1-123-330-00	ELECT	22MF 20%
B2	*1-566-057-11	PIN, CONNECTOR 5P		C161	1-123-333-00	ELECT	100MF 20%
B4	*1-566-055-11	PIN, CONNECTOR 3P		C162	1-123-321-00	ELECT	220MF 20%
B5	*1-566-059-11	PIN, CONNECTOR 7P		C167	1-101-004-00	CERAMIC	0.01MF 50V
B6	*1-566-056-11	PIN, CONNECTOR 4P		C168	1-123-356-00	ELECT	10MF 20%
B7	*1-566-058-11	PIN, CONNECTOR 6P		C169	1-123-356-00	ELECT	10MF 20%
B8	*1-566-059-11	PIN, CONNECTOR 7P		C170	1-101-004-00	CERAMIC	0.01MF 50V
B9	*1-566-061-11	PIN, CONNECTOR 9P		C171	1-123-356-00	ELECT	10MF 20%
B10	*1-566-065-11	PIN, CONNECTOR 13P		C173	1-101-004-00	CERAMIC	0.01MF 50V
B11	*1-566-061-11	PIN, CONNECTOR 9P		C174	1-101-004-00	CERAMIC	0.01MF 50V
B13	*1-566-054-11	PIN, CONNECTOR 2P		C175	1-101-006-00	CERAMIC	0.047MF 50V
B14	*1-566-057-11	PIN, CONNECTOR 5P		C177	1-119-354-00	ELECT	330MF 10V
B15	*1-508-766-00	4P PLUG (M)		C178	1-101-004-00	CERAMIC	0.01MF 50V
B16	*1-566-056-11	PIN, CONNECTOR 4P		C179	1-101-006-00	CERAMIC	0.047MF 50V
B17	*1-566-054-11	PIN, CONNECTOR 2P		C180	1-123-307-00	ELECT	100MF 20%
B18	*1-566-055-11	PIN, CONNECTOR 3P		C181	1-123-332-00	ELECT	47MF 20%
B19	*1-566-057-11	PIN, CONNECTOR 5P		C182	1-101-006-00	CERAMIC	0.047MF 50V
B20	*1-566-058-11	PIN, CONNECTOR 6P		C183	1-119-352-00	ELECT	100MF 10V
B21	*1-566-054-11	PIN, CONNECTOR 2P		C185	1-123-307-00	ELECT	100MF 20%
		CAPACITOR		C186	1-123-356-00	ELECT	10MF 20%
C101	1-123-356-00	ELECT	10MF 20%	C187	1-123-330-00	ELECT	22MF 20%
C103	1-102-973-00	CERAMIC	100PF 5%	C301	1-123-333-00	ELECT	100MF 20%
C104	1-123-306-00	ELECT	47MF 20%	C302	1-101-888-00	CERAMIC	68PF 5%
C105	1-136-161-00	FILM	0.047MF 5%	C303	1-123-369-00	ELECT	4.7MF 20%
C106	1-102-963-00	CERAMIC	33PF 5%	C304	1-123-356-00	ELECT	10MF 20%
C107	1-102-963-00	CERAMIC	33PF 5%	C305	1-110-201-00	MYLAR	0.0033MF 5%
C108	1-102-978-00	CERAMIC	220PF 5%	C306	1-101-006-00	CERAMIC	0.047MF 50V
C110	1-123-333-00	ELECT	100MF 20%	C307	1-101-006-00	CERAMIC	0.047MF 50V
C112	1-123-335-00	ELECT	330MF 20%	C308	1-123-381-00	ELECT	2.2MF 20%
C113	1-123-318-00	ELECT	33MF 20%	C309	1-102-946-00	CERAMIC	9PF 0.5PF 50V
C114	1-123-333-00	ELECT	100MF 20%	C310	1-123-356-00	ELECT	10MF 20%
C115	1-123-333-00	ELECT	100MF 20%	C311	1-136-157-00	FILM	0.022MF 5%
C116	1-101-006-00	CERAMIC	0.047MF 50V	C312	1-136-157-00	FILM	0.022MF 5%
C118	1-101-004-00	CERAMIC	0.01MF 50V	C313	1-102-074-00	CERAMIC	0.001MF 10% 50V
C119	1-123-330-00	ELECT	22MF 20%	C314	1-101-006-00	CERAMIC	0.047MF 50V
C120	1-123-330-00	ELECT	22MF 20%	C315	1-101-006-00	CERAMIC	0.047MF 50V
C121	1-123-356-00	ELECT	10MF 20%	C316	1-136-169-00	FILM	0.22MF 5%
C123	1-101-006-00	CERAMIC	0.047MF 50V	C317	1-102-074-00	CERAMIC	0.001MF 10% 50V
C125	1-123-380-00	ELECT	1MF 20%	C322	1-101-006-00	CERAMIC	0.047MF 50V
C126	1-123-380-00	ELECT	1MF 20%	C323	1-124-464-11	ELECT	0.22MF 20%
C127	1-123-380-00	ELECT	1MF 20%	C324	1-124-464-11	ELECT	0.22MF 20%
C128	1-123-380-00	ELECT	1MF 20%	C325	1-123-333-00	ELECT	100MF 20%
C131	1-130-475-00	MYLAR	0.0022MF 5%	C326	1-124-464-11	ELECT	0.22MF 20%
C133	1-123-380-00	ELECT	1MF 20%	C327	1-102-111-00	CERAMIC	270PF 10% 50V
C134	1-123-380-00	ELECT	1MF 20%	C330	1-101-006-00	CERAMIC	0.047MF 50V
C135	1-123-381-00	ELECT	2.2MF 20%	C331	1-123-380-00	ELECT	1MF 20%
C136	1-101-006-00	CERAMIC	0.047MF 50V	C332	1-136-161-00	FILM	0.047MF 5%
C137	1-123-307-00	ELECT	100MF 20%	C333	1-102-959-00	CERAMIC	22PF 5%
				C334	1-123-380-00	ELECT	1MF 20%
				C335	1-123-307-00	ELECT	100MF 20%

B

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>					
C336	1-123-318-00	ELECT	33MF	20%	16V	C1302	1-124-656-00	ELECT	2.2MF	20%	50V					
C337	1-102-112-00	CERAMIC	330PF	10%	50V	C1304	1-123-356-00	ELECT	10MF	20%	16V					
C341	1-123-380-00	ELECT	1MF	20%	50V	C1305	1-136-161-00	FILM	0.047MF	5%	50V					
C346	1-123-380-00	ELECT	1MF	20%	50V	C1306	1-123-380-00	ELECT	1MF	20%	50V					
C347	1-102-111-00	CERAMIC	270PF	10%	50V	C1316	1-123-356-00	ELECT	10MF	20%	25V					
C350	1-123-356-00	ELECT	10MF	20%	16V	C1317	1-123-380-00	ELECT	1MF	20%	50V					
C351	1-102-074-00	CERAMIC	0.001MF	10%	50V	C1318	1-123-380-00	ELECT	1MF	20%	50V					
C352	1-101-361-00	CERAMIC	150PF	5%	50V	C1319	1-123-380-00	ELECT	1MF	20%	50V					
C353	1-102-959-00	CERAMIC	22PF	5%	50V	C1320	1-123-382-00	ELECT	3.3MF	20%	50V					
C354	1-123-380-00	ELECT	1MF	20%	50V	C1321	1-123-356-00	ELECT	10MF	20%	25V					
C355	1-101-005-00	CERAMIC	0.022MF		50V	C1322	1-101-004-00	CERAMIC	0.01MF		50V					
C381	1-102-074-00	CERAMIC	0.001MF	10%	50V	C1323	1-123-356-00	ELECT	10MF	20%	25V					
C382	1-123-332-00	ELECT	47MF	20%	16V	C1324	1-123-332-00	ELECT	47MF	20%	16V					
C402	1-136-167-00	FILM	0.15MF	5%	50V	C1325	1-101-006-00	CERAMIC	0.047MF		50V					
C404	1-136-165-00	FILM	0.1MF	5%	50V	C1326	1-101-006-00	CERAMIC	0.047MF		50V					
C405	1-102-806-00	CERAMIC	27PF	5%	50V	C1329	1-123-318-00	ELECT	33MF	20%	16V					
C406	1-101-890-00	CERAMIC	75PF	5%	50V	C1333	1-136-153-00	FILM	0.01MF	5%	50V					
C408	1-123-356-00	ELECT	10MF	20%	16V	C1334	1-101-004-00	CERAMIC	0.01MF		50V					
C410	1-123-356-00	ELECT	10MF	20%	50V	C1336	1-110-203-00	MYLAR	0.0047MF	5%	50V					
C411	1-136-161-00	FILM	0.047MF	5%	50V	C1338	1-136-161-00	FILM	0.047MF	5%	50V					
C412	1-102-119-00	CERAMIC	0.0015MF	10%	50V	C1339	1-136-153-00	FILM	0.01MF	5%	50V					
C413	1-123-380-00	ELECT	1MF	20%	50V	C1341	1-110-203-00	MYLAR	0.0047MF	5%	50V					
C414	1-136-173-00	FILM	0.47MF	5%	50V	C1343	1-136-161-00	FILM	0.047MF	5%	50V					
C415	1-101-005-00	CERAMIC	0.022MF		50V	C1344	1-136-153-00	FILM	0.01MF	5%	50V					
C416	1-123-356-00	ELECT	10MF	20%	16V	C1346	1-110-203-00	MYLAR	0.0047MF	5%	50V					
C417	1-123-356-00	ELECT	10MF	20%	16V	C1351	1-123-356-00	ELECT	10MF	20%	25V					
C418	1-136-161-00	FILM	0.047MF	5%	50V	C1352	1-123-332-00	ELECT	47MF	20%	16V					
C419	1-123-380-00	ELECT	1MF	20%	50V	C1353	1-102-973-00	CERAMIC	100PF	5%	50V					
C420	1-101-890-00	CERAMIC	75PF	5%	50V	C1354	1-136-157-00	FILM	0.022MF	5%	50V					
C421	1-102-806-00	CERAMIC	27PF	5%	50V	C1355	1-123-380-00	ELECT	1MF	20%	50V					
C423	1-136-165-00	FILM	0.1MF	5%	50V	C1356	1-136-165-00	FILM	0.1MF	5%	50V					
C424	1-123-356-00	ELECT	10MF	20%	16V	C1357	1-123-380-00	ELECT	1MF	20%	50V					
C425	1-102-888-00	CERAMIC	150PF	5%	50V	C1358	1-123-369-00	ELECT	4.7MF	20%	50V					
C426	1-101-004-00	CERAMIC	0.01MF		50V	C1359	1-102-820-00	CERAMIC	330PF	5%	50V					
C427	1-101-006-00	CERAMIC	0.047MF		50V	C1360	1-102-820-00	CERAMIC	330PF	5%	50V					
C428	1-102-121-00	CERAMIC	0.0022MF	10%	50V	C1361	1-102-129-00	CERAMIC	0.01MF	10%	50V					
C429	1-136-161-00	FILM	0.047MF	5%	50V	C1362	1-130-475-00	MYLAR	0.0022MF	5%	50V					
C430	1-102-971-00	CERAMIC	82PF	5%	50V	C1390	1-101-004-00	CERAMIC	0.01MF		50V					
C434	1-102-112-00	CERAMIC	330PF	10%	50V	C1391	1-123-356-00	ELECT	10MF	20%	16V					
C452	1-136-169-00	FILM	0.22MF	5%	50V	C1392	1-123-356-00	ELECT	10MF	20%	16V					
C453	1-123-333-00	ELECT	100MF	20%	16V	C1393	1-101-004-00	CERAMIC	0.01MF		50V					
C454	1-102-963-00	CERAMIC	33PF	5%	50V	<u>TRIMMER</u>										
C466	1-102-115-00	CERAMIC	560PF	10%	50V	<u>DIODE</u>										
C470	1-123-333-00	ELECT	100MF	20%	16V	D101	8-719-109-97	DIODE	RD6.8ES-B2							
C472	1-123-356-00	ELECT	10MF	20%	16V	D102	8-719-109-97	DIODE	RD6.8ES-B2							
C473	1-101-361-00	CERAMIC	150PF	5%	50V	D103	8-719-911-19	DIODE	1SS119							
C474	1-102-662-00	CERAMIC	7PF	0.5PF	50V	D104	8-719-109-68	DIODE	RD3.6ES-B1							
C475	1-102-662-00	CERAMIC	7PF	0.5PF	50V	D108	8-719-911-19	DIODE	1SS119							
C476	1-102-662-00	CERAMIC	7PF	0.5PF	50V											
C477	1-102-662-00	CERAMIC	7PF	0.5PF	50V											
C481	1-108-614-91	MYLAR	0.001MF	10%	100V											
C482	1-102-820-00	CERAMIC	330PF	5%	50V											
C484	1-136-165-00	FILM	0.1MF		50V											
C1301	1-101-004-00	CERAMIC	0.01MF		50V											



B

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q117	8-729-178-54	TRANSISTOR 2SC2785		Q1302	8-729-178-54	TRANSISTOR 2SC2785	
Q118	8-729-117-54	TRANSISTOR 2SA1175		Q1303	8-729-117-54	TRANSISTOR 2SA1175	
Q119	8-729-117-54	TRANSISTOR 2SA1175					
Q121	8-729-133-42	TRANSISTOR 2SC2334-L					
*4-363-146-00 HEAT SINK, V.OUT; Q121							
Q122	8-729-117-54	TRANSISTOR 2SA1175		R101	1-249-395-11	CARBON	15 5% 1/6W
Q123	8-729-178-54	TRANSISTOR 2SC2785		R102	1-249-395-11	CARBON	15 5% 1/6W
Q301	8-729-117-54	TRANSISTOR 2SA1175		R103	1-249-441-11	CARBON	100K 5% 1/6W
Q309	8-729-178-54	TRANSISTOR 2SC2785		R104	1-249-441-11	CARBON	100K 5% 1/6W
Q310	8-729-117-54	TRANSISTOR 2SA1175		R105	1-247-805-00	CARBON	82 5% 1/6W
Q311	8-729-177-43	TRANSISTOR 2SD774		R106	1-249-413-11	CARBON	470 5% 1/6W
Q315	8-729-178-54	TRANSISTOR 2SC2785		R107	1-249-411-11	CARBON	330 5% 1/6W
Q316	8-729-178-54	TRANSISTOR 2SC2785		R108	1-249-441-11	CARBON	100K 5% 1/6W
Q321	8-729-178-54	TRANSISTOR 2SC2785		R109	1-249-433-11	CARBON	22K 5% 1/6W
Q322	8-729-178-54	TRANSISTOR 2SC2785		R110	1-249-465-11	CARBON	47K 5% 1/4W
Q324	8-729-178-54	TRANSISTOR 2SC2785		R111	1-249-437-11	CARBON	47K 5% 1/6W
Q331	8-729-178-54	TRANSISTOR 2SC2785		R114	1-249-437-11	CARBON	47K 5% 1/6W
Q341	8-729-178-54	TRANSISTOR 2SC2785		R116	1-249-414-11	CARBON	560 5% 1/6W
Q342	8-729-178-54	TRANSISTOR 2SC2785		R117	1-249-429-11	CARBON	10K 5% 1/6W
Q343	8-729-178-54	TRANSISTOR 2SC2785		R118	1-249-429-11	CARBON	10K 5% 1/6W
Q353	8-729-178-54	TRANSISTOR 2SC2785		R119	1-249-429-11	CARBON	10K 5% 1/6W
Q354	8-729-900-36	TRANSISTOR DTC124ES		R121	1-215-867-00	METAL OXIDE	470 5% 1W F
Q355	8-729-178-54	TRANSISTOR 2SC2785		R122	1-249-417-11	CARBON	1K 5% 1/6W
Q357	8-729-117-54	TRANSISTOR 2SA1175		R123	1-216-357-00	METAL OXIDE	4.7 5% 1W F
Q358	8-729-900-36	TRANSISTOR DTC124ES		R124	1-249-433-11	CARBON	22K 5% 1/6W
Q361	8-729-117-54	TRANSISTOR 2SA1175		R125	1-249-435-11	CARBON	33K 5% 1/6W
Q362	8-729-117-54	TRANSISTOR 2SA1175		R126	1-249-431-11	CARBON	15K 5% 1/6W
Q363	8-729-117-54	TRANSISTOR 2SA1175		R127	1-249-417-11	CARBON	1K 5% 1/6W
Q371	8-729-178-54	TRANSISTOR 2SC2785		R128	1-249-434-11	CARBON	27K 5% 1/6W
Q372	8-729-178-54	TRANSISTOR 2SC2785		R129	1-247-717-11	CARBON	2.2K 5% 1/4W
Q373	8-729-178-54	TRANSISTOR 2SC2785		R130	1-247-706-11	CARBON	330 5% 1/4W
Q374	8-729-178-54	TRANSISTOR 2SC2785		R131	1-249-409-11	CARBON	220 5% 1/6W
Q393	8-729-117-54	TRANSISTOR 2SA1175		R132	1-249-409-11	CARBON	220 5% 1/6W
Q400	8-729-178-54	TRANSISTOR 2SC2785		R133	1-249-421-11	CARBON	2.2K 5% 1/6W
Q401	8-729-178-54	TRANSISTOR 2SC2785		R134	1-249-421-11	CARBON	2.2K 5% 1/6W
Q402	8-729-178-54	TRANSISTOR 2SC2785		R135	1-249-437-11	CARBON	47K 5% 1/6W
Q403	8-729-117-54	TRANSISTOR 2SA1175		R136	1-249-417-11	CARBON	1K 5% 1/6W
Q405	8-729-178-54	TRANSISTOR 2SC2785		R137	1-249-421-11	CARBON	2.2K 5% 1/6W
Q406	8-729-117-54	TRANSISTOR 2SA1175		R138	1-249-421-11	CARBON	2.2K 5% 1/6W
Q407	8-729-178-54	TRANSISTOR 2SC2785		R139	1-249-421-11	CARBON	2.2K 5% 1/6W
Q450	8-729-117-54	TRANSISTOR 2SA1175		R140	1-249-421-11	CARBON	2.2K 5% 1/6W
Q451	8-729-178-54	TRANSISTOR 2SC2785		R141	1-247-717-11	CARBON	2.2K 5% 1/4W
Q452	8-729-178-54	TRANSISTOR 2SC2785		R142	1-249-421-11	CARBON	2.2K 5% 1/6W
Q453	8-729-117-54	TRANSISTOR 2SA1175		R143	1-249-429-11	CARBON	10K 5% 1/6W
Q454	8-729-117-54	TRANSISTOR 2SA1175		R144	1-249-429-11	CARBON	10K 5% 1/6W
Q455	8-729-178-54	TRANSISTOR 2SC2785		R145	1-249-437-11	CARBON	47K 5% 1/6W
Q456	8-729-117-54	TRANSISTOR 2SA1175		R146	1-249-425-11	CARBON	4.7K 5% 1/6W
Q457	8-729-178-54	TRANSISTOR 2SC2785		R147	1-249-441-11	CARBON	100K 5% 1/6W
Q458	8-729-117-54	TRANSISTOR 2SA1175		R148	1-249-434-11	CARBON	27K 5% 1/6W
Q459	8-729-117-54	TRANSISTOR 2SA1175		R149	1-249-427-11	CARBON	6.8K 5% 1/6W
Q460	8-729-178-54	TRANSISTOR 2SC2785		R150	1-249-427-11	CARBON	6.8K 5% 1/6W
Q461	8-729-178-54	TRANSISTOR 2SC2785		R151	1-249-423-11	CARBON	3.3K 5% 1/6W
Q1301	8-729-178-54	TRANSISTOR 2SC2785		R152	1-249-421-11	CARBON	2.2K 5% 1/6W
				R153	1-249-421-11	CARBON	2.2K 5% 1/6W

B

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R154	1-249-421-11	CARBON	2.2K	5%	1/6W	R313	1-249-421-11	CARBON	2.2K	5%	1/6W
R155	1-247-717-11	CARBON	2.2K	5%	1/4W	R314	1-249-409-11	CARBON	220	5%	1/6W
R156	1-249-423-11	CARBON	3.3K	5%	1/6W	R315	1-249-433-11	CARBON	22K	5%	1/6W
R157	1-249-433-11	CARBON	22K	5%	1/6W	R316	1-249-435-11	CARBON	33K	5%	1/6W
R158	1-249-417-11	CARBON	1K	5%	1/6W	R317	1-249-421-11	CARBON	2.2K	5%	1/6W
R159	1-249-418-11	CARBON	1.2K	5%	1/6W	R318	1-249-409-11	CARBON	220	5%	1/6W
R160	1-249-397-11	CARBON	22	5%	1/6W	R319	1-249-433-11	CARBON	22K	5%	1/6W
R161	1-249-397-11	CARBON	22	5%	1/6W	R320	1-249-435-11	CARBON	33K	5%	1/6W
R162	1-249-397-11	CARBON	22	5%	1/6W	R321	1-249-435-11	CARBON	33K	5%	1/6W
R163	1-249-397-11	CARBON	22	5%	1/6W	R322	1-249-429-11	CARBON	10K	5%	1/6W
R164	1-249-397-11	CARBON	22	5%	1/6W	R323	1-249-441-11	CARBON	100K	5%	1/6W
R165	1-247-692-11	CARBON	22	5%	1/4W	R324	1-249-441-11	CARBON	100K	5%	1/6W
R166	1-249-397-11	CARBON	22	5%	1/6W	R326	1-249-441-11	CARBON	100K	5%	1/6W
R167	1-249-397-11	CARBON	22	5%	1/6W	R327	1-249-423-11	CARBON	3.3K	5%	1/6W
R168	1-249-397-11	CARBON	22	5%	1/6W	R328	1-249-423-11	CARBON	3.3K	5%	1/6W
R169	1-249-397-11	CARBON	22	5%	1/6W	R329	1-249-423-11	CARBON	3.3K	5%	1/6W
R170	1-249-397-11	CARBON	22	5%	1/6W	R330	1-249-417-11	CARBON	1K	5%	1/6W
R171	1-249-397-11	CARBON	22	5%	1/6W	R331	1-215-493-00	CARBON	1M	5%	1/6W
R172	1-249-397-11	CARBON	22	5%	1/6W	R332	1-215-479-00	CARBON	270K	5%	1/6W
R173	1-249-397-11	CARBON	22	5%	1/6W	R333	1-249-414-11	CARBON	560	5%	1/6W
R174	1-249-429-11	CARBON	10K	5%	1/6W	R334	1-247-883-00	CARBON	150K	5%	1/6W
R175	1-249-429-11	CARBON	10K	5%	1/6W	R335	1-249-413-11	CARBON	470	5%	1/6W
R176	1-247-725-11	CARBON	10K	5%	1/4W	R336	1-249-409-11	CARBON	220	5%	1/6W
R177	1-249-433-11	CARBON	22K	5%	1/6W	R337	1-249-427-11	CARBON	6.8K	5%	1/6W
R178	1-249-433-11	CARBON	22K	5%	1/6W	R338	1-249-421-11	CARBON	2.2K	5%	1/6W
R179	1-249-425-11	CARBON	4.7K	5%	1/6W	R339	1-249-417-11	CARBON	1K	5%	1/6W
R181	1-249-435-11	CARBON	33K	5%	1/6W	R340	1-249-421-11	CARBON	2.2K	5%	1/6W
R182	1-247-849-00	CARBON	5.6K	5%	1/6W	R341	1-249-422-11	CARBON	2.7K	5%	1/6W
R183	1-249-433-11	CARBON	22K	5%	1/6W	R342	1-249-428-11	CARBON	8.2K	5%	1/6W
R184	1-249-435-11	CARBON	33K	5%	1/6W	R343	1-249-433-11	CARBON	22K	5%	1/6W
R185	1-247-713-11	CARBON	1K	5%	1/4W	R345	1-249-439-11	CARBON	68K	5%	1/6W
R186	1-249-417-11	CARBON	1K	5%	1/6W	R346	1-247-849-00	CARBON	5.6K	5%	1/6W
R187	1-249-417-11	CARBON	1K	5%	1/6W	R350	1-249-413-11	CARBON	470	5%	1/6W
R188	1-249-417-11	CARBON	1K	5%	1/6W	R351	1-249-405-11	CARBON	100	5%	1/6W
R189	1-249-417-11	CARBON	1K	5%	1/6W	R352	1-249-433-11	CARBON	22K	5%	1/6W
R190	1-249-417-11	CARBON	1K	5%	1/6W	R353	1-249-420-11	CARBON	1.8K	5%	1/6W
R191	1-249-414-11	CARBON	560	5%	1/6W	R354	1-249-435-11	CARBON	33K	5%	1/6W
R192	1-249-417-11	CARBON	1K	5%	1/6W	R355	1-249-433-11	CARBON	22K	5%	1/6W
R193	1-249-423-11	CARBON	3.3K	5%	1/6W	R356	1-249-437-11	CARBON	47K	5%	1/6W
R194	1-249-423-11	CARBON	3.3K	5%	1/6W	R357	1-249-430-11	CARBON	12K	5%	1/6W
R195	1-249-421-11	CARBON	2.2K	5%	1/6W	R358	1-249-435-11	CARBON	33K	5%	1/6W
R196	1-249-414-11	CARBON	560	5%	1/6W	R359	1-247-883-00	CARBON	150K	5%	1/6W
R197	1-249-421-11	CARBON	2.2K	5%	1/6W	R360	1-247-708-11	CARBON	470	5%	1/4W
R198	1-249-405-11	CARBON	100	5%	1/6W	R361	1-249-417-11	CARBON	1K	5%	1/6W
R199	1-249-417-11	CARBON	1K	5%	1/6W	R362	1-249-429-11	CARBON	10K	5%	1/6W
R303	1-249-469-11	CARBON	100K	5%	1/4W	R363	1-249-417-11	CARBON	1K	5%	1/6W
R304	1-249-436-11	CARBON	39K	5%	1/6W	R364	1-249-412-11	CARBON	390	5%	1/6W
R305	1-247-883-00	CARBON	150K	5%	1/6W	R365	1-247-723-11	CARBON	6.8K	5%	1/4W
R306	1-249-435-11	CARBON	33K	5%	1/6W	R366	1-247-891-00	CARBON	330K	5%	1/6W
R308	1-249-409-11	CARBON	220	5%	1/6W	R367	1-249-437-11	CARBON	47K	5%	1/6W
R310	1-247-722-11	CARBON	5.6K	5%	1/4W	R368	1-249-428-11	CARBON	8.2K	5%	1/6W
R311	1-249-439-11	CARBON	68K	5%	1/6W	R370	1-249-419-11	CARBON	1.5K	5%	1/6W
R312	1-249-439-11	CARBON	68K	5%	1/6W	R371	1-249-435-11	CARBON	33K	5%	1/6W

B

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R372	1-249-441-11	CARBON	100K 5% 1/6W	R438	1-249-431-11	CARBON	15K 5% 1/6W
R373	1-249-435-11	CARBON	33K 5% 1/6W	R439	1-249-418-11	CARBON	1.2K 5% 1/6W
R374	1-249-435-11	CARBON	33K 5% 1/6W	R440	1-249-417-11	CARBON	1K 5% 1/6W
R375	1-249-423-11	CARBON	3.3K 5% 1/6W	R441	1-249-420-11	CARBON	1.8K 5% 1/6W
R377	1-249-409-11	CARBON	220 5% 1/6W	R442	1-249-421-11	CARBON	2.2K 5% 1/6W
R378	1-249-414-11	CARBON	560 5% 1/6W	R443	1-249-408-11	CARBON	180 5% 1/6W
R379	1-249-429-11	CARBON	10K 5% 1/6W	R444	1-249-439-11	CARBON	68K 5% 1/6W
R380	1-249-437-11	CARBON	47K 5% 1/6W	R445	1-249-431-11	CARBON	15K 5% 1/6W
R381	1-249-440-11	CARBON	82K 5% 1/6W	R446	1-249-417-11	CARBON	1K 5% 1/6W
R382	1-249-438-11	CARBON	56K 5% 1/6W	R447	1-249-414-11	CARBON	560 5% 1/6W
R383	1-215-479-00	CARBON	270K 5% 1/6W	R448	1-249-393-11	CARBON	10 5% 1/6W
R384	1-249-425-11	CARBON	4.7K 5% 1/6W	R449	1-249-418-11	CARBON	1.2K 5% 1/6W
R385	1-249-414-11	CARBON	560 5% 1/6W	R450	1-249-419-11	CARBON	1.5K 5% 1/6W
R386	1-249-429-11	CARBON	10K 5% 1/6W	R451	1-249-420-11	CARBON	1.8K 5% 1/6W
R387	1-249-417-11	CARBON	1K 5% 1/6W	R452	1-249-393-11	CARBON	10 5% 1/6W
R388	1-215-483-00	CARBON	390K 5% 1/6W	R453	1-249-419-11	CARBON	1.5K 5% 1/6W
R389	1-249-433-11	CARBON	22K 5% 1/6W	R454	1-249-419-11	CARBON	1.5K 5% 1/6W
R390	1-249-433-11	CARBON	22K 5% 1/6W	R456	1-249-409-11	CARBON	220 5% 1/6W
R391	1-249-437-11	CARBON	47K 5% 1/6W	R457	1-249-435-11	CARBON	33K 5% 1/6W
R392	1-249-431-11	CARBON	15K 5% 1/6W	R458	1-249-425-11	CARBON	4.7K 5% 1/6W
R393	1-249-435-11	CARBON	33K 5% 1/6W	R460	1-249-436-11	CARBON	39K 5% 1/6W
R394	1-249-429-11	CARBON	10K 5% 1/6W	R461	1-249-431-11	CARBON	15K 5% 1/6W
R395	1-247-895-00	CARBON	470K 5% 1/6W	R462	1-249-421-11	CARBON	2.2K 5% 1/6W
R396	1-249-419-11	CARBON	1.5K 5% 1/6W	R463	1-249-422-11	CARBON	2.7K 5% 1/6W
R398	1-249-420-11	CARBON	1.8K 5% 1/6W	R464	1-249-409-11	CARBON	220 5% 1/6W
R401	1-249-412-11	CARBON	390 5% 1/6W	R465	1-249-435-11	CARBON	33K 5% 1/6W
R402	1-247-717-11	CARBON	2.2K 5% 1/4W	R466	1-247-721-11	CARBON	4.7K 5% 1/4W
R403	1-249-427-11	CARBON	6.8K 5% 1/6W	R467	1-215-456-00	CARBON	30K 5% 1/6W
R404	1-249-429-11	CARBON	10K 5% 1/6W	R468	1-249-429-11	CARBON	10K 5% 1/6W
R406	1-249-412-11	CARBON	390 5% 1/6W	R470	1-249-420-11	CARBON	1.8K 5% 1/6W
R410	1-249-422-11	CARBON	2.7K 5% 1/6W	R471	1-249-425-11	CARBON	4.7K 5% 1/6W
R411	1-215-489-00	CARBON	680K 5% 1/6W	R472	1-249-420-11	CARBON	1.8K 5% 1/6W
R412	1-249-417-11	CARBON	1K 5% 1/6W	R473	1-249-425-11	CARBON	4.7K 5% 1/6W
R413	1-249-425-11	CARBON	4.7K 5% 1/6W	R474	1-249-417-11	CARBON	1K 5% 1/6W
R414	1-249-438-11	CARBON	56K 5% 1/6W	R475	1-249-405-11	CARBON	100 5% 1/6W
R415	1-249-429-11	CARBON	10K 5% 1/6W	R476	1-249-416-11	CARBON	820 5% 1/6W
R418	1-247-720-11	CARBON	3.9K 5% 1/4W	R477	1-249-413-11	CARBON	470 5% 1/6W
R419	1-249-429-11	CARBON	10K 5% 1/6W	R478	1-249-421-11	CARBON	2.2K 5% 1/6W
R420	1-249-412-11	CARBON	390 5% 1/6W	R479	1-249-421-11	CARBON	2.2K 5% 1/6W
R421	1-249-438-11	CARBON	56K 5% 1/6W	R480	1-249-429-11	CARBON	10K 5% 1/6W
R422	1-249-427-11	CARBON	6.8K 5% 1/6W	R481	1-249-429-11	CARBON	10K 5% 1/6W
R425	1-249-408-11	CARBON	180 5% 1/6W	R482	1-249-421-11	CARBON	2.2K 5% 1/6W
R426	1-249-435-11	CARBON	33K 5% 1/6W	R483	1-249-421-11	CARBON	2.2K 5% 1/6W
R427	1-249-423-11	CARBON	3.3K 5% 1/6W	R484	1-249-433-11	CARBON	22K 5% 1/6W
R429	1-249-429-11	CARBON	10K 5% 1/6W	R485	1-249-417-11	CARBON	1K 5% 1/6W
R430	1-249-423-11	CARBON	3.3K 5% 1/6W	R486	1-249-435-11	CARBON	33K 5% 1/6W
R431	1-249-425-11	CARBON	4.7K 5% 1/6W	R487	1-249-435-11	CARBON	33K 5% 1/6W
R432	1-249-428-11	CARBON	8.2K 5% 1/6W	R488	1-249-435-11	CARBON	33K 5% 1/6W
R433	1-249-428-11	CARBON	8.2K 5% 1/6W	R1100	1-249-405-11	CARBON	100 5% 1/6W
R434	1-249-418-11	CARBON	1.2K 5% 1/6W	R1101	1-249-437-11	CARBON	47K 5% 1/6W
R435	1-249-417-11	CARBON	1K 5% 1/6W	R1102	1-249-429-11	CARBON	10K 5% 1/6W
R436	1-249-421-11	CARBON	2.2K 5% 1/6W	R1105	1-249-431-11	CARBON	15K 5% 1/6W
R437	1-249-431-11	CARBON	15K 5% 1/6W	R1106	1-249-399-11	CARBON	33 5% 1/6W

B | F A

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R1107	1-249-437-11	CARBON	47K	5%	1/6W	R1367	1-202-730-00	SOLID	8.2M	10%	1/2W
R1108	1-249-405-11	CARBON	100	5%	1/6W	R1368	1-249-411-11	CARBON	330	5%	1/6W
R1109	1-249-429-11	CARBON	10K	5%	1/6W	R1369	1-249-413-11	CARBON	470	5%	1/6W
R1110	1-249-430-11	CARBON	12K	5%	1/6W	R1370	1-249-409-11	CARBON	220	5%	1/6W
R1111	1-249-437-11	CARBON	47K	5%	1/6W	R1371	1-249-413-11	CARBON	470	5%	1/6W
R1112	1-249-441-11	CARBON	100K	5%	1/6W	R1375	1-249-425-11	CARBON	4.7K	5%	1/6W
R1114	1-249-393-11	CARBON	10	5%	1/6W	R1376	1-215-479-00	CARBON	270K	5%	1/6W
R1115	1-249-425-11	CARBON	4.7K	5%	1/6W	R1377	1-249-434-11	CARBON	27K	5%	1/6W
R1304	1-247-704-11	CARBON	220	5%	1/4W	R1378	1-249-410-11	CARBON	270	5%	1/6W
R1305	1-247-704-11	CARBON	220	5%	1/4W	R1379	1-249-405-11	CARBON	100	5%	1/6W
R1306	1-247-704-11	CARBON	220	5%	1/4W	R1401	1-249-433-11	CARBON	22K	5%	1/6W
R1307	1-247-704-11	CARBON	220	5%	1/4W	R1402	1-249-433-11	CARBON	22K	5%	1/6W
R1308	1-249-429-11	CARBON	10K	5%	1/6W	R1403	1-249-433-11	CARBON	22K	5%	1/6W
R1309	1-247-704-11	CARBON	220	5%	1/4W	R1404	1-249-433-11	CARBON	22K	5%	1/6W
R1310	1-249-437-11	CARBON	47K	5%	1/6W	R1405	1-249-437-11	CARBON	47K	5%	1/6W
R1311	1-249-409-11	CARBON	220	5%	1/6W	R1406	1-249-437-11	CARBON	47K	5%	1/6W
R1312	1-247-887-00	CARBON	220K	5%	1/6W	R1407	1-249-437-11	CARBON	47K	5%	1/6W
R1313	1-247-725-11	CARBON	10K	5%	1/4W	R1408	1-249-437-11	CARBON	47K	5%	1/6W
R1314	1-249-429-11	CARBON	10K	5%	1/6W	R1409	1-247-704-11	CARBON	220	5%	1/4W
R1315	1-249-435-11	CARBON	33K	5%	1/6W	R1410	1-249-421-11	CARBON	2.2K	5%	1/6W
R1316	1-249-435-11	CARBON	33K	5%	1/6W	R1411	1-247-725-11	CARBON	10K	5%	1/4W
R1317	1-249-417-11	CARBON	1K	5%	1/6W	R1412	1-249-429-11	CARBON	10K	5%	1/6W
R1318	1-249-417-11	CARBON	1K	5%	1/6W	R1413	1-249-421-11	CARBON	2.2K	5%	1/6W
R1320	1-249-409-11	CARBON	220	5%	1/6W	<u>VARIABLE RESISTOR</u>					
R1322	1-249-440-11	CARBON	82K	5%	1/6W	RV301	1-230-626-41	RES, ADJ, CARBON	470		
R1323	1-249-429-11	CARBON	10K	5%	1/6W	RV302	1-230-631-11	RES, ADJ, CARBON	22K		
R1324	1-247-881-00	CARBON	120K	5%	1/6W	RV303	1-230-630-11	RES, ADJ, CARBON	10K		
R1325	1-249-409-11	CARBON	220	5%	1/6W	RV318	1-230-271-00	RES, ADJ, CARBON	4.7K		
R1326	1-249-409-11	CARBON	220	5%	1/6W	RV1301	1-230-628-11	RES, ADJ, CARBON	2.2K		
R1327	1-215-493-00	CARBON	1M	5%	1/6W	RV1302	1-230-628-11	RES, ADJ, CARBON	2.2K		
R1328	1-249-417-11	CARBON	1K	5%	1/6W	<u>TRANSFORMER</u>					
R1329	1-249-437-11	CARBON	47K	5%	1/6W	T301	1-404-524-11	DAT			
R1330	1-249-417-11	CARBON	1K	5%	1/6W	T401	1-404-584-11	COIL			
R1331	1-247-849-00	CARBON	5.6K	5%	1/6W	<u>CRYSTAL</u>					
R1332	1-249-437-11	CARBON	47K	5%	1/6W	X101	1-567-192-11	OSCILLATOR, CERAMIC			
R1333	1-215-430-00	CARBON	2.4K	5%	1/6W	X358	1-567-505-11	OSCILLATOR, CRYSTAL			
R1334	1-249-429-11	CARBON	10K	5%	1/6W	X443	1-567-504-11	OSCILLATOR, CRYSTAL			
R1335	1-249-409-11	CARBON	220	5%	1/6W	*****					
R1337	1-249-405-11	CARBON	100	5%	1/6W	*****					
R1339	1-249-419-11	CARBON	1.5K	5%	1/6W	*****					
R1340	1-249-409-11	CARBON	220	5%	1/6W	*****					
R1341	1-249-437-11	CARBON	47K	5%	1/6W	*****					
R1342	1-249-405-11	CARBON	100	5%	1/6W	*****					
R1344	1-247-838-00	CARBON	2K	5%	1/6W	*****					
R1345	1-249-409-11	CARBON	220	5%	1/6W	*****					
R1347	1-249-405-11	CARBON	100	5%	1/6W	*****					
R1360	1-249-414-11	CARBON	560	5%	1/6W	*****					
R1362	1-249-414-11	CARBON	560	5%	1/6W	*****					
R1363	1-215-491-00	CARBON	820K	5%	1/6W	*****					
R1364	1-249-424-11	CARBON	3.9K	5%	1/6W	C601	▲ 1-136-360-51	FILM	0.22MF	20%	250V
R1365	1-249-437-11	CARBON	47K	5%	1/6W	C607	1-161-738-00	CERAMIC	0.0047MF	20%	400V
R1366	1-249-422-11	CARBON	2.7K	5%	1/6W	C608	▲ 1-161-738-12	CERAMIC	0.0047MF	20%	400V
						C610	1-125-222-21	ELECT(BLOCK)	330MF	20%	400V
						C617	1-161-738-00	CERAMIC	0.0047MF	20%	400V
						C618	1-102-030-00	CERAMIC	330PF	10%	500V

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

F A

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark			
C619	1-129-743-00	FILM	0.022MF	10%	400V		<u>FUSE</u>			
C620	1-124-126-00	ELECT	47MF	20%	16V					
C621	1-130-062-00	FILM	0.0056MF	5%	630V	F601 Δ.1-532-299-11	FUSE, TIME-LAG 5A/250V			
C622	1-124-344-91	ELECT	22MF	20%	100V	*1-533-189-11	HOLDER, FUSE; F601			
C623	1-161-973-00	CERAMIC	220PF	10%	400V		<u>CONNECTOR</u>			
C624	1-161-973-00	CERAMIC	220PF	10%	400V	FA1	*1-506-348-XX 3P PLUG (L)			
C632	1-102-002-00	CERAMIC	680PF	10%	500V	FA2	*1-506-348-XX 3P PLUG (L)			
C651	1-162-115-00	CERAMIC	330PF	10%	2KV	FA3	*1-508-765-00 3P PLUG (M)			
C652	1-125-294-00	ELECT(BLOCK)	560MF	20%	160V	FA4	*1-508-767-00 5P PLUG			
C653	1-123-364-00	ELECT	1000MF	20%	50V	FA6	*1-508-765-00 3P PLUG (M)			
C654	1-123-338-00	ELECT	2200MF	20%	25V	FA7	*1-566-058-11 PIN, CONNECTOR 6P			
C655	1-123-338-00	ELECT	2200MF	20%	25V	FA9	*1-564-529-11 CONNECTOR, BOARD TO BOARD 5P			
C656	1-162-318-11	CERAMIC	0.001MF	10%	500V	FA10	*1-564-529-11 CONNECTOR, BOARD TO BOARD 5P			
C659	1-102-030-00	CERAMIC	330PF	10%	500V		<u>IC</u>			
C661	1-123-333-00	ELECT	100MF	20%	25V	IC602	8-719-800-82 DIODE TLP581			
C662	1-136-332-11	FILM	0.01MF	5%	630V	IC651	8-759-145-58 IC UPC4558C			
C663	1-124-038-00	ELECT	1MF	20%	50V		<u>COIL</u>			
C664	1-124-038-00	ELECT	1MF	20%	50V	L601	1-407-365-00 COIL, CHOKE			
C666	1-124-123-00	ELECT	100MF	20%	10V	L652	1-407-780-00 COIL, SPOOK CHOKE			
C667	1-102-121-00	CERAMIC	0.0022MF	10%	50V		<u>IC LINK</u>			
C668	Δ.1-136-360-51	FILM	0.22MF	20%	250V	PS651	1-532-675-00 LINK, IC			
C669	Δ.1-161-738-12	CERAMIC	0.0047MF	20%	400V	PS652	1-532-686-00 LINK, IC			
C670	Δ.1-161-738-12	CERAMIC	0.0047MF	20%	400V	PS654	1-532-637-00 LINK, IC			
C671	Δ.1-161-738-12	CERAMIC	0.0047MF	20%	400V		<u>TRANSISTOR</u>			
C672	Δ.1-161-738-12	CERAMIC	0.0047MF	20%	400V	Q601	8-729-195-82 TRANSISTOR 2SC2958			
C673	Δ.1-161-738-12	CERAMIC	0.0047MF	20%	400V	Q602	8-729-802-07 TRANSISTOR 2SD1403-CA			
C674	Δ.1-136-360-51	FILM	0.22MF	20%	250V		3-701-833-01 HEAD, WASHER, TAPPING SCREW; Q602			
C677	1-136-173-00	FILM	0.47MF	5%	50V		4-365-216-00 SPACER, MICA; Q602			
C682	1-130-062-00	FILM	0.0056MF	5%	630V	Q651	8-729-109-53 TRANSISTOR 2SD795A			
C686	1-136-173-00	FILM	0.47MF	5%	50V	Q652	*4-347-706-00 HEAT SINK (TR); Q651 8-729-178-54 TRANSISTOR 2SC2785			
							<u>RESISTOR</u>			
D601	8-719-503-06	DIODE S3WB60Z			R601	Δ.1-217-328-11 WIREWOUND	2.7	10%	7W	F
D602	8-719-100-65	DIODE RD12E-B2			R604	Δ.1-247-289-11 CARBON	8.2M	5%	1W	
D605	8-719-924-06	DIODE ERC24-06S			R609	1-215-894-11 METAL OXIDE	2.2K	5%	2W	F
D607	8-719-815-55	DIODE 1S1555			R612	1-215-904-11 METAL OXIDE	100K	5%	2W	F
D608	8-719-815-55	DIODE 1S1555			R613	1-215-895-11 METAL OXIDE	3.3K	5%	2W	F
D609	8-719-925-06	DIODE ERC25-06S			R614	1-216-458-11 METAL OXIDE	1.8K	5%	2W	F
D651	8-719-900-26	DIODE ERD29-08J			R615	1-205-737-00 CEMENTED	30	10%	7W	
D653	8-719-300-59	DIODE CTU-12S			R623	1-247-718-11 CARBON	2.7K	5%	1/4W	
D654	8-719-300-59	DIODE CTU-12S			R627	1-249-409-11 CARBON	220	5%	1/6W	
	*4-347-706-00	HEAT SINK (TR); D654			R628	1-215-479-00 CARBON	270K	5%	1/6W	
D655	8-719-000-12	DIODE MC931			R629	1-249-427-11 CARBON	6.8K	5%	1/6W	
D656	8-719-300-59	DIODE CTU-12S			R630	1-247-692-11 CARBON	22	5%	1/4W	F
	*4-347-706-00	HEAT SINK (TR); D656			R631	1-217-352-11 WIREWOUND	390	10%	7W	F
D658	8-719-110-03	DIODE RD7.5ES-B2			R632	1-217-192-00 WIREWOUND	0.22	10%	2W	F
D659	8-719-110-03	DIODE RD7.5ES-B2			R652	1-216-430-11 METAL OXIDE	390	5%	1W	F
D660	8-719-815-55	DIODE 1S1555								
D661	8-719-815-55	DIODE 1S1555								
D663	8-719-109-93	DIODE RD6.2ES-B2								
D664	8-719-100-65	DIODE RD12E-B2								

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

FA FC QA

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				<u>Remark</u>	
R653	1-249-425-11	CARBON	4.7K	5%	1/6W				<u>DIODE</u>					
R654	1-216-464-11	METAL OXIDE	18K	5%	2W	F	D603	8-719-815-55	DIODE	1S1555				
R662	1-249-436-11	CARBON	39K	5%	1/6W		D604	8-759-157-40	IC	UPC574J				
R663	1-249-430-11	CARBON	12K	5%	1/6W		D606	8-719-911-19	DIODE	ISS119				
R664	1-249-441-11	CARBON	100K	5%	1/6W				<u>CONNECTOR</u>					
R665	1-215-436-00	METAL	4.3K	1%	1/6W		FC1	*1-562-516-11	CONNECTOR,	BOARD TO BOARD	5P			
R666	1-247-713-11	CARBON	1K	5%	1/4W		FC2	*1-562-516-11	CONNECTOR,	BQARD TO BOARD	5P			
R667	1-247-703-11	CARBON	180	5%	1/4W				<u>IC</u>					
R669	1-247-720-11	CARBON	3.9K	5%	1/4W		IC601	8-759-100-75	IC	UPC1394C				
R670	1-249-421-11	CARBON	2.2K	5%	1/6W				<u>TRANSISTOR</u>					
R671	A.1-205-758-11	CEMENTED	100	10%	10W	F	Q603	8-729-178-54	TRANSISTOR	2SC2785				
R673	A.1-244-945-91	CARBON	1M	5%	1/2W				<u>RESISTOR</u>					
R676	1-205-758-11	CEMENTED	100	10%	10W	F	R605	1-247-891-00	CARBON	330K	5%	1/6W		
R677	1-216-346-00	METAL OXIDE	0.56	5%	1W	F	R606	1-249-433-11	CARBON	22K	5%	1/6W		
R678	1-247-749-11	CARBON	560	5%	1/2W	F	R608	1-249-421-11	CARBON	2.2K	5%	1/6W		
R679	1-215-924-00	METAL OXIDE	15K	5%	3W	F	R611	1-215-457-00	METAL	33K	1%	1/6W		
R680	1-217-353-11	WIREDOWN	470	10%	7W	F	R616	1-215-452-00	CARBON	20K	5%	1/6W		
R681	1-246-403-75	CARBON	1.2	5%	1/4W									
R683	1-216-488-11	METAL OXIDE	18K	5%	3W	F	R621	1-249-429-11	CARBON	10K	5%	1/6W		
R684	1-246-403-75	CARBON	1.2	5%	1/4W		R622	1-249-433-11	CARBON	22K	5%	1/6W		
	<u>VARIABLE RESISTOR</u>						R624	1-249-425-11	CARBON	4.7K	5%	1/6W		
RV651	1-230-230-00	RES, ADJ, CERAMIC	CARBON	1K			R625	1-249-441-11	CARBON	100K	5%	1/6W		
RV652	1-226-702-00	RES, ADJ, METAL	GLAZE	2.2K			R626	1-247-712-11	CARBON	820	5%	1/4W		
	<u>TRANSFORMER</u>						R633	1-247-887-00	CARBON	220K	5%	1/6W		
T601	A.1-421-758-11	TRANSFORMER, LINE FILTER (LFT)				(AEP, AUS ONLY)	R634	1-249-437-11	CARBON	47K	5%	1/6W		
	A.1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)					R636	1-215-471-00	METAL	120K	1%	1/6W		
T602	A.1-421-758-11	TRANSFORMER, LINE FILTER (LFT)				(AEP, AUS ONLY)	R637	1-249-433-11	CARBON	22K	5%	1/6W		
	A.1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)					R638	1-215-435-00	METAL	3.9K	1%	1/6W		
T603	A.1-437-079-11	TRANSFORMER, HORIZONTAL DRIVE					R639	1-249-425-11	CARBON	4.7K	5%	1/6W		
T605	A.1-448-931-11	SRT					R674	1-249-440-11	CARBON	82K	5%	1/6W		
T607	1-421-975-11	TRANSFORMER, LINE FILTER (WG ONLY)												
	<u>THERMISTOR</u>							<u>THERMISTOR</u>						
TH651	1-800-944-00	THERMISTOR	TH-4700					TH601	A.1-800-944-11	THERMISTOR	TH-4700			
THP601	A.1-806-387-11	THERMISTOR (POSITIVE)												
THP602	A.1-806-387-11	THERMISTOR (POSITIVE)												
	*****							*****						
*1-621-548-11	FC BOARD	*****						*A-1270-212-A	QA BOARD, COMPLETE (AEP, AUS ONLY)					
								*A-1270-223-A	QA BOARD, COMPLETE (WG ONLY)					
	3-670-570-41	SPACER, SUPPORT						1-537-075-11	TERMINAL BOARD, INPUT/OUTPUT					
	<u>CAPACITOR</u>							1-537-076-11	TERMINAL BOARD, INPUT/OUTPUT					
C611	1-106-220-00	MYLAR	0.1MF	10%	100V				<u>CAPACITOR</u>					
C612	1-106-351-00	MYLAR	0.0022MF	5%	50V		C1700	1-124-236-00	ELECT	47MF	20%	16V		
C613	1-123-356-00	ELECT	10MF	20%	16V		C1701	1-124-247-00	ELECT	10MF	20%	25V		
C614	1-123-875-91	ELECT	10MF	20%	50V		C1702	1-124-247-00	ELECT	10MF	20%	25V		
C615	1-102-074-00	CERAMIC	0.001MF	10%	50V		C1703	1-124-236-00	ELECT	47MF	20%	16V		
C616	1-123-875-91	ELECT	10MF	20%	50V		C1704	1-124-247-00	ELECT	10MF	20%	25V		
C625	1-123-380-00	ELECT	1MF	20%	50V		C1705	1-124-247-00	ELECT	10MF	20%	25V		
C627	1-136-153-00	FILM	0.01MF	5%	50V									
C628	1-102-820-00	CERAMIC	330PF	5%	50V									
C634	1-106-220-00	MYLAR	0.1MF	10%	100V									

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

QA

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>
C1706	1-124-247-00	ELECT	10MF	20%	25V	R1705	1-247-104-00	CARBON	75	5%	1/4W
C1707	1-124-247-00	ELECT	10MF	20%	25V	R1706	1-249-417-11	CARBON	1K	5%	1/6W
C1708	1-124-236-00	ELECT	47MF	20%	16V	R1707	1-215-491-00	CARBON	820K	5%	1/6W
C1709	1-124-247-00	ELECT	10MF	20%	25V	R1708	1-249-417-11	CARBON	1K	5%	1/6W
C1710	1-102-965-00	CERAMIC	39PF	5%	50V	R1709	1-215-491-00	CARBON	820K	5%	1/6W
C1712	1-102-965-00	CERAMIC	39PF	5%	50V	R1710	1-247-104-00	CARBON	75	5%	1/4W
C1714	1-102-965-00	CERAMIC	39PF	5%	50V	R1711	1-249-414-11	CARBON	560	5%	1/6W
C1715	1-124-247-00	ELECT	10MF	20%	25V	R1712	1-247-895-00	CARBON	470K	5%	1/6W
C1716	1-124-247-00	ELECT	10MF	20%	25V	R1713	1-249-414-11	CARBON	560	5%	1/6W
C1717	1-124-247-00	ELECT	10MF	20%	25V	R1714	1-247-895-00	CARBON	470K	5%	1/6W
C1718	1-124-247-00	ELECT	10MF	20%	25V	R1715	1-247-104-00	CARBON	75	5%	1/4W
C1719	1-124-236-00	ELECT	47MF	20%	16V	R1716	1-249-417-11	CARBON	1K	5%	1/6W
C1720	1-124-236-00	ELECT	47MF	20%	16V	R1717	1-215-491-00	CARBON	820K	5%	1/6W
C1721	1-124-236-00	ELECT	47MF	20%	16V	R1718	1-247-708-11	CARBON	470	5%	1/4W
C1722	1-124-236-00	ELECT	47MF	20%	16V	R1719	1-249-408-11	CARBON	180	5%	1/6W
C1723	1-124-247-00	ELECT	10MF	20%	25V	R1720	1-249-421-11	CARBON	2.2K	5%	1/6W
C1728	1-102-973-00	CERAMIC	100PF	5%	50V	R1721	1-247-708-11	CARBON	470	5%	1/4W
C1729	1-102-973-00	CERAMIC	100PF	5%	50V	R1722	1-249-408-11	CARBON	180	5%	1/6W
C1731	1-102-973-00	CERAMIC	100PF	5%	50V	R1723	1-249-421-11	CARBON	2.2K	5%	1/6W
C1732	1-102-973-00	CERAMIC	100PF	5%	50V	R1724	1-247-708-11	CARBON	470	5%	1/4W
C1738	1-102-973-00	CERAMIC	100PF	5%	50V	R1725	1-249-408-11	CARBON	180	5%	1/6W
C1743	1-102-973-00	CERAMIC	100PF	5%	50V	R1726	1-247-895-00	CARBON	470K	5%	1/6W
C1744	1-102-973-00	CERAMIC	100PF	5%	50V	R1727	1-247-713-11	CARBON	1K	5%	1/4W
C1747	1-102-965-00	CERAMIC	39PF	5%	50V	R1728	1-215-491-00	CARBON	820K	5%	1/6W
C1748	1-102-965-00	CERAMIC	39PF	5%	50V	R1729	1-247-710-11	CARBON	560	5%	1/4W
C1749	1-102-965-00	CERAMIC	39PF	5%	50V	R1730	1-247-895-00	CARBON	470K	5%	1/6W
C1750	1-102-965-00	CERAMIC	39PF	5%	50V	R1731	1-247-713-11	CARBON	1K	5%	1/4W
C1752	1-102-973-00	CERAMIC	100PF	5%	50V	R1732	1-215-491-00	CARBON	820K	5%	1/6W
C1753	1-102-965-00	CERAMIC	39PF	5%	50V	R1733	1-247-104-00	CARBON	75	5%	1/4W
						R1735	1-247-104-00	CARBON	75	5%	1/4W
						R1736	1-247-104-00	CARBON	75	5%	1/4W
D1703	8-719-100-38	DIODE RD6.2E-B2				R1737	1-247-104-00	CARBON	75	5%	1/4W
D1706	8-719-100-38	DIODE RD6.2E-B2				R1738	1-249-417-11	CARBON	1K	5%	1/6W
D1707	8-719-100-38	DIODE RD6.2E-B2				R1739	1-247-104-00	CARBON	75	5%	1/4W
D1708	8-719-100-38	DIODE RD6.2E-B2				R1740	1-249-429-11	CARBON	10K	5%	1/6W
D1709	8-719-100-38	DIODE RD6.2E-B2				R1742	1-249-412-11	CARBON	390	5%	1/6W
D1710	8-719-100-38	DIODE RD6.2E-B2				R1743	1-247-713-11	CARBON	1K	5%	1/4W
D1711	8-719-100-38	DIODE RD6.2E-B2				R1744	1-215-491-00	CARBON	820K	5%	1/6W
						R1745	1-249-429-11	CARBON	10K	5%	1/6W
						R1746	1-249-406-11	CARBON	120	5%	1/6W
						R1750	1-249-417-11	CARBON	1K	5%	1/6W
						R1751	1-247-104-00	CARBON	75	5%	1/4W
						R1752	1-249-401-11	CARBON	47	5%	1/6W
						R1753	1-249-401-11	CARBON	47	5%	1/6W
						R1754	1-249-401-11	CARBON	47	5%	1/6W
L1770	1-408-604-00	MICRO INDUCTOR 12UH (WG ONLY)				R1755	1-249-418-11	CARBON	1.2K	5%	1/6W
						R1756	1-249-418-11	CARBON	1.2K	5%	1/6W
						R1760	1-215-483-00	CARBON	390K	5%	1/6W
						R1761	1-215-483-00	CARBON	390K	5%	1/6W
						R1762	1-215-483-00	CARBON	390K	5%	1/6W
						R1763	1-215-483-00	CARBON	390K	5%	1/6W
						R1768	1-249-406-11	CARBON	120	5%	1/6W
						R1769	1-247-710-11	CARBON	560	5%	1/4W
						R1770	1-247-104-00	CARBON	75	5%	1/4W
						R1771	1-249-417-11	CARBON	1K	5%	1/6W
						R1772	1-215-491-00	CARBON	820K	5%	1/6W
						R1773	1-249-417-11	CARBON	1K	5%	1/6W
						R1774	1-247-104-00	CARBON	75	5%	1/4W
						R1775	1-249-401-11	CARBON	47	5%	1/6W
						R1776	1-249-401-11	CARBON	47	5%	1/6W
						R1777	1-249-401-11	CARBON	47	5%	1/6W
						R1778	1-249-401-11	CARBON	47	5%	1/6W
						R1779	1-249-401-11	CARBON	47	5%	1/6W
						R1780	1-249-401-11	CARBON	47	5%	1/6W
						R1781	1-249-401-11	CARBON	47	5%	1/6W
						R1782	1-249-401-11	CARBON	47	5%	1/6W
						R1783	1-249-401-11	CARBON	47	5%	1/6W
						R1784	1-249-401-11	CARBON	47	5%	1/6W
						R1785	1-249-401-11	CARBON	47	5%	1/6W
						R1786	1-249-401-11	CARBON	47	5%	1/6W
						R1787	1-249-401-11	CARBON	47	5%	1/6W
						R1788	1-249-401-11	CARBON	47	5%	1/6W
						R1789	1-249-401-11	CARBON	47	5%	1/6W
						R1790	1-249-401-11	CARBON	47	5%	1/6W
						R1791	1-249-401-11	CARBON	47	5%	1/6W
						R1792	1-249-401-11	CARBON	47	5%	1/6W
						R1793	1-249-401-11	CARBON	47	5%	1/6W
						R1794	1-249-401-11	CARBON	47	5%	1/6W
						R1795	1-249-401-11	CARBON	47	5%	1/6W
						R1796	1-249-401-11	CARBON	47	5%	1/6W
						R1797	1-249-401-11	CARBON	47	5%	1/6W
						R1798	1-249-401-11	CARBON	47	5%	1/6W
						R1799	1-249-401-11	CARBON	47	5%	1/6W
						R1800	1-249-401-11	CARBON	47	5%	1/6W
						R1801	1-249-401-11	CARBON	47	5%	1/6W
						R1802	1-249-401-11	CARBON	47	5%	1/6W
						R1803	1-249-401-11	CARBON	47	5%	1/6W
						R1804	1-249-401-11	CARBON	47	5%	1/6W
						R1805	1-249-401-11	CARBON	47	5%	1/6W
						R1806	1-249-401-11	CARBON	47	5%	1/6W
						R1807	1-249-401-11	CARBON	47	5%	1/6W
						R1808	1-249-401-11	CARBON	47	5%	1/6W
						R1809	1-249-401-11	CARBON	47	5%	1/6W
						R1810	1-249-401-11	CARBON	47	5%	1/6W
						R1811	1-249-401-11	CARBON	47	5%	1/6W
						R1812	1-249-401-11	CARBON	47	5%	1/6W
						R1813	1-249-401-11	CARBON	47	5%	1/6W
						R1814	1-249-401-11	CARBON	47	5%	1/6W
						R1815	1-249-401-11	CARBON	47	5%	1/6W
						R1816	1-249-401-11	CARBON	47	5%	1/6W
						R1817	1-249-401-11	CARBON	47	5%	1/6W
						R1818	1-249-401-11	CARBON	47	5%	1/6W
						R1819	1-249-401-11	CARBON	47	5%	1/6W
						R1820	1-249-401-11	CARBON	47	5%	1/6W
						R1821	1-249-401-11	CARBON	47	5%	1/6W
						R1822	1-249-401-11	CARBON	47	5%	1/6W
						R1823	1-249-401-11	CARBON	47	5%	1/6W
						R1824	1-249-401-11	CARBON	47	5%	1/6W
						R1825	1-249-401-11	CARBON	47	5%	1/6W
						R1826	1-249-401-11	CARBON	47	5%	1/6W
						R1827	1-249-401-11	CARBON	47	5%	1/6W
						R1828	1-249-401-11	CARBON	47	5%	1/6W
						R1829	1-249-401-11	CARBON	47	5%	1/6W
						R1830	1-249-401-11	CARBON	47	5%	1/6W
						R1831	1-249-401-1				

QA **QB**

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>					
<u>SWITCH</u>											<u>DIODE</u>					
SW1	1-570-145-11	SWITCH, SLIDE				D1770	8-719-911-19	DIODE	I _S S119							
SW2	1-570-145-11	SWITCH, SLIDE				D1771	8-719-911-19	DIODE	I _S S119							
SW3	1-570-145-11	SWITCH, SLIDE				D1772	8-719-911-19	DIODE	I _S S119							
SW4	1-570-145-11	SWITCH, SLIDE				D1773	8-719-911-19	DIODE	I _S S119							
SW5	1-570-145-11	SWITCH, SLIDE				D1774	8-719-911-19	DIODE	I _S S119							

*A-1270-213-A QB BOARD, COMPLETE																

<u>CAPACITOR</u>											<u>IC</u>					
C1777	1-102-074-00	CERAMIC	0.001MF	10%	50V	D1782	8-719-911-19	DIODE	I _S S119							
C1778	1-102-074-00	CERAMIC	0.001MF	10%	50V	D1783	8-719-931-06	DIODE	E _O B01-06							
C1779	1-124-475-11	ELECT	470MF	20%	15V	D1784	8-719-110-14	DIODE	R _D 9.1E _S -B3							
C1781	1-101-004-00	CERAMIC	0.01MF		50V	D1787	8-719-109-90	DIODE	R _D 5.6E _S -B3							
C1788	1-124-247-00	ELECT	10MF	20%	25V	D1788	8-719-911-19	DIODE	I _S S119							
C1789	1-124-247-00	ELECT	10MF	20%	25V	D1789	8-719-911-19	DIODE	I _S S119							
C1790	1-124-236-00	ELECT	47MF	20%	16V											
C1791	1-124-236-00	ELECT	47MF	20%	16V	IC1770	8-759-800-65	IC	LA7910							
C1792	1-102-959-00	CERAMIC	22PF	5%	50V	IC1771	8-759-140-66	IC	UPD4066BC							
C1793	1-101-004-00	CERAMIC	0.01MF		50V	IC1772	8-759-102-37	IC	UPD4052BC							
C1794	1-124-236-00	ELECT	47MF	20%	16V	IC1773	8-759-102-37	IC	UPD4052BC							
C1795	1-101-004-00	CERAMIC	0.01MF		50V	IC1774	8-759-900-86	IC	SN74LS86N							
C1799	1-124-471-00	ELECT	1000MF	20%	6.3V	IC1775	8-759-901-38	IC	SN74LS138N							
C1800	1-124-236-00	ELECT	47MF	20%	16V	IC1776	8-759-900-09	IC	SN74LS09N							
C1801	1-124-475-11	ELECT	470MF	20%	16V	<u>COIL</u>										
C1802	1-102-971-00	CERAMIC	82PF	5%	50V	L1770	1-408-239-00	MICRO INDUCTOR	4.7MMH							
C1803	1-124-471-00	ELECT	1000MF	20%	6.3V	<u>TRANSISTOR</u>										
C1804	1-102-971-00	CERAMIC	82PF	5%	50V	Q1773	8-729-117-54	TRANSISTOR	2SA1175							
C1806	1-101-361-00	CERAMIC	150PF	5%	50V	Q1774	8-729-178-54	TRANSISTOR	2SC2785							
C1807	1-102-111-00	CERAMIC	270PF	10%	50V	Q1775	8-729-117-54	TRANSISTOR	2SA1175							
C1808	1-101-004-00	CERAMIC	0.01MF		50V	Q1776	8-729-178-54	TRANSISTOR	2SC2785							
C1810	1-124-236-00	ELECT	47MF	20%	16V	Q1777	8-729-178-54	TRANSISTOR	2SC2785							
C1811	1-124-236-00	ELECT	47MF	20%	16V	Q1778	8-729-178-54	TRANSISTOR	2SC2785							
C1813	1-124-236-00	ELECT	47MF	20%	16V	Q1779	8-729-117-54	TRANSISTOR	2SA1175							
C1820	1-124-236-00	ELECT	47MF	20%	16V	Q1780	8-729-117-54	TRANSISTOR	2SA1175							
C1821	1-101-004-00	CERAMIC	0.01MF		50V	Q1781	8-729-178-54	TRANSISTOR	2SC2785							
C1823	1-124-267-11	ELECT	0.1MF	20%	50V	Q1782	8-729-178-54	TRANSISTOR	DTC144ES							
C1824	1-124-267-11	ELECT	0.1MF	20%	50V	Q1783	8-729-178-54	TRANSISTOR	2SC2785							
C1825	1-124-267-11	ELECT	0.1MF	20%	50V	Q1784	8-729-900-89	TRANSISTOR								
C1827	1-101-880-00	CERAMIC	47PF	5%	50V	Q1785	8-729-178-54	TRANSISTOR	2SC2785							
C1828	1-123-611-00	ELECT	1MF	20%	50V	Q1786	8-729-178-54	TRANSISTOR	2SC2785							
C1830	1-124-236-00	ELECT	47MF	20%	16V	Q1787	8-729-177-43	TRANSISTOR	2SD774							
C1831	1-101-004-00	CERAMIC	0.01MF		50V	Q1788	8-729-117-54	TRANSISTOR	2SA1175							
C1832	1-124-236-00	ELECT	47MF	20%	16V	Q1789	8-729-178-54	TRANSISTOR	2SC2785							
C1833	1-101-004-00	CERAMIC	0.01MF		50V	Q1790	8-729-177-43	TRANSISTOR	2SD774							
C1834	1-101-004-00	CERAMIC	0.01MF		50V	Q1791	8-729-900-36	TRANSISTOR	DTC124ES							
C1835	1-124-236-00	ELECT	47MF	20%	16V	Q1792	8-729-178-54	TRANSISTOR	2SC2785							
C1837	1-124-963-11	ELECT	33MF	20%	16V	Q1793	8-729-117-54	TRANSISTOR	2SA1175							
C1838	1-101-880-00	CERAMIC	47PF	5%	50V	Q1794	8-729-178-54	TRANSISTOR	2SC2785							
C1839	1-124-236-00	ELECT	47MF	20%	16V	Q1795	8-729-178-54	TRANSISTOR	2SC2785							
C1840	1-101-004-00	CERAMIC	0.01MF		50V	Q1796	8-729-178-54	TRANSISTOR	2SC2785							
						Q1797	8-729-178-54	TRANSISTOR	2SC2785							
						Q1798	8-729-178-54	TRANSISTOR	2SC2785							

QB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q1798	8-729-117-54	TRANSISTOR 2SA1175		R1785	1-249-441-11	CARBON	100K 5% 1/6W
Q1799	8-729-178-54	TRANSISTOR 2SC2785		R1786	1-249-441-11	CARBON	100K 5% 1/6W
Q1802	8-729-900-36	TRANSISTOR DTC124ES		R1787	1-249-433-11	CARBON	22K 5% 1/6W
Q1803	8-729-178-54	TRANSISTOR 2SC2785		R1788	1-249-413-11	CARBON	470 5% 1/6W
Q1804	8-729-178-54	TRANSISTOR 2SC2785		R1794	1-247-895-00	CARBON	470K 5% 1/6W
Q1805	8-729-178-54	TRANSISTOR 2SC2785		R1795	1-249-422-11	CARBON	2.7K 5% 1/6W
Q1806	8-729-178-54	TRANSISTOR 2SC2785		R1796	1-249-440-11	CARBON	82K 5% 1/6W
Q1807	8-729-178-54	TRANSISTOR 2SC2785		R1797	1-249-434-11	CARBON	27K 5% 1/6W
Q1808	8-729-178-54	TRANSISTOR 2SC2785		R1798	1-249-425-11	CARBON	4.7K 5% 1/6W
Q1809	8-729-178-54	TRANSISTOR 2SC2785		R1799	1-249-419-11	CARBON	1.5K 5% 1/6W
Q1810	8-729-178-54	TRANSISTOR 2SC2785		R1800	1-249-425-11	CARBON	4.7K 5% 1/6W
Q1811	8-729-178-54	TRANSISTOR 2SC2785		R1801	1-249-440-11	CARBON	82K 5% 1/6W
Q1812	8-729-178-54	TRANSISTOR 2SC2785		R1802	1-249-434-11	CARBON	27K 5% 1/6W
Q1813	8-729-178-54	TRANSISTOR 2SC2785		R1804	1-249-429-11	CARBON	10K 5% 1/6W
Q1814	8-729-178-54	TRANSISTOR 2SC2785		R1805	1-249-429-11	CARBON	10K 5% 1/6W
Q1815	8-729-178-54	TRANSISTOR 2SC2785		R1806	1-249-406-11	CARBON	120 5% 1/6W
Q1816	8-729-178-54	TRANSISTOR 2SC2785		R1807	1-247-849-00	CARBON	5.6K 5% 1/6W
Q1817	8-729-178-54	TRANSISTOR 2SC2785		R1808	1-247-849-00	CARBON	5.6K 5% 1/6W
Q1818	8-729-900-36	TRANSISTOR DTC124ES		R1809	1-249-408-11	CARBON	180 5% 1/6W
Q1819	8-729-900-36	TRANSISTOR DTC124ES		R1810	1-215-422-00	CARBON	1.1K 5% 1/6W
Q1820	8-729-900-36	TRANSISTOR DTC124ES		R1811	1-249-413-11	CARBON	470 5% 1/6W
Q1822	8-729-178-54	TRANSISTOR 2SC2785		R1813	1-249-413-11	CARBON	470 5% 1/6W
Q1823	8-729-178-54	TRANSISTOR 2SC2785		R1814	1-249-413-11	CARBON	470 5% 1/6W
Q1825	8-729-178-54	TRANSISTOR 2SC2785		R1815	1-249-412-11	CARBON	390 5% 1/6W
Q1826	8-729-178-54	TRANSISTOR 2SC2785		R1816	1-249-413-11	CARBON	470 5% 1/6W
Q1827	8-729-178-54	TRANSISTOR 2SC2785		R1817	1-215-422-00	CARBON	1.1K 5% 1/6W
Q1828	8-729-178-54	TRANSISTOR 2SC2785		R1819	1-249-413-11	CARBON	470 5% 1/6W
Q1829	8-729-178-54	TRANSISTOR 2SC2785		R1820	1-249-406-11	CARBON	120 5% 1/6W
Q1830	8-729-177-43	TRANSISTOR 2SD774		R1821	1-249-406-11	CARBON	120 5% 1/6W
Q1831	8-729-900-36	TRANSISTOR DTC124ES		R1822	1-249-406-11	CARBON	120 5% 1/6W
Q1832	8-729-178-54	TRANSISTOR 2SC2785		R1823	1-249-406-11	CARBON	120 5% 1/6W
Q1891	8-729-900-36	TRANSISTOR DTC124ES		R1824	1-247-881-00	CARBON	120K 5% 1/6W
<u>CONNECTOR</u>							
QB11	*1-566-058-11	PIN, CONNECTOR 6P		R1825	1-247-881-00	CARBON	120K 5% 1/6W
QB12	*1-566-056-11	PIN, CONNECTOR 4P		R1826	1-247-881-00	CARBON	120K 5% 1/6W
QB13	*1-566-056-11	PIN, CONNECTOR 4P		R1827	1-249-429-11	CARBON	10K 5% 1/6W
QB14	*1-566-054-11	PIN, CONNECTOR 2P		R1828	1-249-417-11	CARBON	1K 5% 1/6W
QB15	*1-566-057-11	PIN, CONNECTOR 5P		R1829	1-249-429-11	CARBON	10K 5% 1/6W
QB16	*1-566-056-11	PIN, CONNECTOR 4P		R1830	1-249-429-11	CARBON	10K 5% 1/6W
QB17	*1-566-059-11	PIN, CONNECTOR 7P		R1831	1-249-417-11	CARBON	1K 5% 1/6W
<u>RESISTOR</u>							
R1771	1-249-469-11	CARBON	100K 5% 1/4W	R1832	1-249-429-11	CARBON	10K 5% 1/6W
R1776	1-249-405-11	CARBON	100 5% 1/6W	R1833	1-249-417-11	CARBON	1K 5% 1/6W
R1777	1-249-405-11	CARBON	100 5% 1/6W	R1834	1-249-417-11	CARBON	1K 5% 1/6W
R1778	1-249-405-11	CARBON	100 5% 1/6W	R1835	1-249-428-11	CARBON	8.2K 5% 1/6W
R1779	1-249-441-11	CARBON	100K 5% 1/6W	R1836	1-249-422-11	CARBON	2.7K 5% 1/6W
R1780	1-249-433-11	CARBON	22K 5% 1/6W	R1837	1-249-417-11	CARBON	1K 5% 1/6W
R1781	1-249-441-11	CARBON	100K 5% 1/6W	R1838	1-247-849-00	CARBON	5.6K 5% 1/6W
R1782	1-249-425-11	CARBON	4.7K 5% 1/6W	R1839	1-247-849-00	CARBON	5.6K 5% 1/6W
R1783	1-249-469-11	CARBON	100K 5% 1/4W	R1841	1-249-433-11	CARBON	22K 5% 1/6W
R1784	1-249-433-11	CARBON	22K 5% 1/6W	R1842	1-249-433-11	CARBON	22K 5% 1/6W
				R1843	1-249-462-11	CARBON	22K 5% 1/4W
				R1844	1-249-405-11	CARBON	100 5% 1/6W
				R1845	1-249-433-11	CARBON	22K 5% 1/6W
				R1846	1-247-714-11	CARBON	1.2K 5% 1/4W

QB C

C

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark					
C706	1-129-751-00	FILM	0.1MF	10%	400V	RESISTOR						
C707	1-102-116-00	CERAMIC	680PF	10%	50V	R701	1-216-397-11	METAL OXIDE	4.7	5%	3W	F
C708	1-102-116-00	CERAMIC	680PF	10%	50V	R702	1-202-848-00	SOLID	680K	10%	1/2W	
C709	1-102-116-00	CERAMIC	680PF	10%	50V	R703	1-202-838-00	SOLID	100K	10%	1/2W	
C710	1-102-116-00	CERAMIC	680PF	10%	50V	R704	1-202-846-00	SOLID	470K	10%	1/2W	
C711	1-123-356-00	ELECT	10MF	20%	25V	R705	1-202-549-00	SOLID	100	5%	1/2W	
C712	1-102-114-00	CERAMIC	470PF	10%	50V	R706	1-202-838-00	SOLID	100K	10%	1/2W	
C713	1-102-116-00	CERAMIC	680PF	10%	50V	R707	1-202-842-11	SOLID	220K		1/2W	
C714	1-162-622-11	CERAMIC	330PF	10%	6.3KV	R708	1-202-818-00	SOLID	1K		1/2W	
C715	1-102-125-00	CERAMIC	0.0047MF	10%	50V	R709	1-202-818-00	SOLID	1K		1/2W	
C718	1-102-074-00	CERAMIC	0.001MF	10%	50V	R710	1-202-818-00	SOLID	1K		1/2W	
C719	1-102-050-00	CERAMIC	0.01MF		500V	R711	1-202-837-00	SOLID	82K	10%	1/2W	
DIODE												
D701	8-719-911-19	DIODE	1SS119		R712	1-202-842-11	SOLID	220K		1/2W		
D702	8-719-911-19	DIODE	1SS119		R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	
D703	8-719-911-19	DIODE	1SS119		R714	1-249-409-11	CARBON	220	5%	1/6W		
D704	8-719-911-19	DIODE	1SS119		R716	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	
D705	8-719-911-19	DIODE	1SS119		R717	1-249-409-11	CARBON	220	5%	1/6W		
D706	8-719-911-19	DIODE	1SS119		R720	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	
D707	8-719-911-19	DIODE	1SS119		R721	1-249-409-11	CARBON	220	5%	1/6W		
D708	8-719-911-19	DIODE	1SS119		R722	1-249-405-11	CARBON	100	5%	1/6W		
D709	8-719-911-19	DIODE	1SS119		R723	1-249-405-11	CARBON	100	5%	1/6W		
D710	8-719-901-83	DIODE	1SS83		R724	1-249-405-11	CARBON	100	5%	1/6W		
D711	8-719-901-83	DIODE	1SS83		R725	1-249-429-11	CARBON	10K	5%	1/6W		
D712	8-719-901-83	DIODE	1SS83		R726	1-249-409-11	CARBON	220	5%	1/6W		
D713	8-719-901-83	DIODE	1SS83		R727	1-249-429-11	CARBON	10K	5%	1/6W		
COIL												
L701	1-407-711-00	MICRO INDUCTOR	330UH		R728	1-215-404-00	CARBON	200	5%	1/6W		
L702	1-407-705-00	MICRO INDUCTOR	100UH		R729	1-249-385-11	CARBON	2.2	5%	1/6W		
L703	1-407-703-00	MICRO INDUCTOR	68UH		R730	1-249-408-11	CARBON	180	5%	1/6W		
L704	1-408-442-11	MICRO INDUCTOR	10UH		R731	1-247-704-11	CARBON	220	5%	1/4W	F	
L705	1-408-404-00	MICRO INDUCTOR	3.9UH		R732	1-247-704-11	CARBON	220	5%	1/4W	F	
L706	1-407-705-00	MICRO INDUCTOR	100UH		R733	1-247-704-11	CARBON	220	5%	1/4W	F	
L707	1-408-434-00	MICRO INDUCTOR	2.2UH		R734	1-247-717-11	CARBON	2.2K	5%	1/4W		
TRANSISTOR												
Q701	8-729-326-11	TRANSISTOR	2SC2611		R735	1-247-138-00	CARBON	2K	5%	1/4W		
Q702	8-729-178-54	TRANSISTOR	2SC2785		R736	1-247-717-11	CARBON	2.2K	5%	1/4W		
Q703	8-729-200-17	TRANSISTOR	2SA1091		R737	1-249-441-11	CARBON	100K	5%	1/6W		
Q704	8-729-326-11	TRANSISTOR	2SC2611		R738	1-247-887-00	CARBON	220K	5%	1/6W		
Q705	8-729-178-54	TRANSISTOR	2SC2785		R740	1-215-902-11	METAL OXIDE	47K	5%	2W	F	
Q706	8-729-200-17	TRANSISTOR	2SA1091		R741	1-249-438-11	CARBON	56K	5%	1/6W		
Q707	8-729-200-17	TRANSISTOR	2SA1091		R742	1-249-429-11	CARBON	10K	5%	1/6W	F	
Q708	8-729-326-11	TRANSISTOR	2SC2611		R743	1-249-429-11	CARBON	10K	5%	1/6W	F	
Q709	8-729-178-54	TRANSISTOR	2SC2785		R744	1-247-725-11	CARBON	10K	5%	1/4W	F	
Q710	8-729-255-12	TRANSISTOR	2SC2551		R745	1-247-713-11	CARBON	1K	5%	1/4W	F	
Q712	8-729-255-12	TRANSISTOR	2SC2551		R746	1-215-879-51	METAL OXIDE	47K	5%	1W	F	
Q714	8-729-200-17	TRANSISTOR	2SA1091		R747	1-247-725-11	CARBON	10K	5%	1/4W	F	
Q715	8-729-200-17	TRANSISTOR	2SA1091		R775	1-247-779-00	CARBON	6.8	5%	1/6W		
Q716	8-729-200-17	TRANSISTOR	2SA1091		R776	1-247-779-00	CARBON	6.8	5%	1/6W		
VARIABLE RESISTOR												
RV701	1-226-114-00	RES, ADJ,	METAL GLAZE	2.2M	R777	1-249-441-11	CARBON	100K	5%	1/6W		
RV702	1-230-619-11	RES, ADJ,	METAL GLAZE	110M	R799	1-202-842-11	SOLID	220K		1/2W		

C D

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
RV703	1-228-731-00	RES, ADJ, CERAMIC	CARBON	470K		C564	1-102-244-00	CERAMIC	220PF	10%	500V
RV705	1-228-729-00	RES, ADJ, CERAMIC	CARBON	220K		C566	1-106-367-00	MYLAR	0.01MF	10%	100V
RV706	1-228-724-00	RES, ADJ, CERAMIC	CARBON	10K		C568	1-106-212-00	MYLAR	0.047MF	10%	100V

*A-1345-708-A D BOARD, COMPLETE						C571	1-123-349-00	ELECT	1000MF	20%	35V
*****						C572	1-102-244-00	CERAMIC	220PF	10%	500V
CAPACITOR						C573	1-123-935-00	ELECT	33MF	20%	160V
C503	1-108-614-91	MYLAR	0.001MF	10%	100V	C574	1-106-369-00	MYLAR	0.012MF	10%	200V
C505	1-106-212-00	MYLAR	0.047MF	10%	100V	C575	1-123-024-00	ELECT	33MF	10%	160V
C506	1-124-902-00	ELECT	0.47MF	20%	50V	C576	1-162-114-00	CERAMIC	0.0047MF		2KV
C507	1-123-369-00	ELECT	4.7MF	20%	25V	C578	1-124-902-00	ELECT	0.47MF	20%	50V
C508	1-108-627-91	MYLAR	0.012MF	10%	100V	C579	1-102-030-00	CERAMIC	330PF	10%	500V
C509	1-106-220-00	MYLAR	0.1MF	10%	100V	C580	1-108-689-11	MYLAR	0.0056MF	10%	200V
C510	1-106-367-00	MYLAR	0.01MF	10%	100V	C581	1-136-512-11	FILM	0.0106MF	3%	1.4KV
C511	1-123-330-00	ELECT	22MF	20%	16V	C582	1-162-135-11	CERAMIC	560PF	10%	2KV
C512	1-124-927-11	ELECT	4.7MF	20%	50V	C583	1-106-367-00	MYLAR	0.01MF	10%	100V
C513	1-130-868-00	FILM	0.0056MF	5%	50V	C584	1-162-115-00	CERAMIC	330PF	10%	2KV
C514	1-123-356-00	ELECT	10MF	20%	16V	C585	1-129-747-00	FILM	0.047MF	10%	400V
C515	1-123-356-00	ELECT	10MF	20%	16V	C586	1-136-513-11	FILM	0.82MF	5%	200V
C516	1-102-820-00	CERAMIC	330PF	5%	50V	C587	1-136-116-00	FILM	1MF	5%	200V
C517	1-124-475-11	ELECT	470MF	20%	16V	C588	1-123-332-00	ELECT	47MF	20%	16V
C518	1-106-371-00	MYLAR	0.015MF	10%	100V	C589	1-123-356-00	ELECT	10MF	20%	25V
C519	1-136-173-00	FILM	0.47MF	5%	50V	C590	1-124-555-00	ELECT	1000MF	20%	16V
C520	1-124-902-00	ELECT	0.47MF	20%	50V	C591	1-124-927-11	ELECT	0.01MF	10%	100V
C521	1-124-902-00	ELECT	0.47MF	20%	50V	C592	1-124-477-11	ELECT	47MF	20%	25V
C522	1-124-791-11	ELECT	1MF	20%	50V	C593	1-106-367-00	MYLAR	0.022MF	10%	100V
C523	1-106-367-00	MYLAR	0.01MF	10%	100V	C594	1-123-875-91	ELECT	1MF	20%	50V
C524	1-108-622-91	MYLAR	0.0047MF	10%	100V	C595	1-123-356-00	ELECT	10MF	20%	50V
C525	1-108-425-00	MYLAR	0.022MF	10%	200V	C596	1-108-837-00	MYLAR	0.01MF	10%	50V
C526	1-123-321-00	ELECT	220MF	20%	16V	C597	1-106-172-00	MYLAR	0.001MF	5%	50V
C531	1-123-356-00	ELECT	10MF	20%	50V	C598	1-124-927-11	ELECT	4.7MF	20%	50V
C532	1-124-005-11	ELECT	4.7MF	20%	50V	C599	1-102-971-00	CERAMIC	82PF	5%	50V
C535	1-131-501-00	TANTALUM	3.3MF	10%	10V	C600	1-123-356-00	ELECT	10MF	20%	50V
C536	1-131-375-00	TANTALUM	4.7MF	10%	6.3V	C601	1-108-855-00	MYLAR	0.33MF	10%	50V
C537	1-123-875-91	ELECT	10MF	20%	50V	C602	1-108-837-00	MYLAR	0.01MF	10%	50V
C538	1-124-117-00	ELECT	680MF	10%	25V	C603	1-124-791-11	ELECT	1MF	20%	50V
C542	1-123-356-00	ELECT	10MF	20%	16V	C604	1-102-231-11	CERAMIC	47PF	10%	500V
C544	1-130-996-00	FILM	0.047MF	5%	50V	C605	1-124-445-00	ELECT	100MF	20%	16V
C546	1-124-477-11	ELECT	47MF	20%	25V	C606	1-108-845-00	MYLAR	0.047MF	10%	50V
C551	1-108-630-91	MYLAR	0.022MF	10%	100V	CONNECTOR					
C552	1-102-030-00	CERAMIC	330PF	10%	500V	D1	*1-508-766-00	4P PLUG (M)			
C553	1-106-192-00	MYLAR	0.0068MF	10%	100V	D2	*1-566-055-11	PIN, CONNECTOR 3P			
C554	1-123-345-00	ELECT	100MF	20%	35V	D3	*1-566-054-11	PIN, CONNECTOR 2P			
C556	1-123-943-00	ELECT	1MF	20%	250V	D4	*1-508-767-00	5P PLUG			
C557	1-123-356-00	ELECT	10MF	20%	25V	D5	*1-508-765-00	3P PLUG (M)			
C558	1-123-356-00	ELECT	10MF	20%	16V	D6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P			
C559	1-124-192-00	ELECT	4.7MF	20%	50V	D7	*1-566-056-11	PIN, CONNECTOR 4P			
C560	1-106-208-00	MYLAR	0.033MF	10%	100V	D9	*1-566-055-11	PIN, CONNECTOR 3P			
C561	1-108-614-91	MYLAR	0.001MF	10%	100V	D10	*1-508-766-00	4P PLUG (M)			
C562	1-108-616-91	MYLAR	0.0015MF	10%	100V	D11	*1-508-765-00	3P PLUG (M)			
C563	1-123-943-00	ELECT	1MF	20%	250V						

D

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D14	*1-566-054-11	PIN, CONNECTOR 2P		L564	1-407-717-00	MICRO INDUCTOR 1MMH	
		DIODE		L1510	1-459-115-00	COIL, DCC-H	
D501	8-719-911-19	DIODE 1SS119				NEON LAMP	
D502	8-719-911-55	DIODE U05G		NL601	1-519-237-11	LAMP, NEON	
D504	8-719-911-19	DIODE 1SS119				TRANSISTOR	
D505	8-719-911-19	DIODE 1SS119		Q505	8-729-178-54	TRANSISTOR 2SC2785	
D507	8-719-100-35	DIODE RD5.6E-B2		Q506	8-729-178-54	TRANSISTOR 2SC2785	
D509	8-719-110-06	DIODE RD8.2ES-B1		Q507	8-729-178-54	TRANSISTOR 2SC2785	
D510	8-719-911-19	DIODE 1SS119		Q508	8-729-117-54	TRANSISTOR 2SA1175	
D551	8-719-911-55	DIODE U05G		Q551	8-729-168-82	TRANSISTOR 2SC2688	
D554	8-719-300-65	DIODE ES1F		Q552	8-729-203-80	TRANSISTOR 2SD1555-LB-S1	
D557	8-719-918-77	DIODE V19G		4-367-513-00		SPACER, MICA; Q552	
D558	8-719-300-76	DIODE RH1A		Q553	8-729-313-42	TRANSISTOR 2SD1134	
D560	8-719-305-15	DIODE GH3F		Q1510	8-729-117-54	TRANSISTOR 2SA1175	
D561	8-719-928-08	DIODE ERD28-08S		Q1511	8-729-178-54	TRANSISTOR 2SC2785	
D562	8-719-300-65	DIODE ES1F		Q1512	8-729-900-36	TRANSISTOR DTC124ES	
D1510	8-719-911-55	DIODE U05G		Q1513	8-729-900-63	TRANSISTOR DTA124ES	
D1511	8-719-911-19	DIODE 1SS119		Q1514	8-729-900-36	TRANSISTOR DTC124ES	
D1512	8-719-911-19	DIODE 1SS119		Q1515	8-729-900-36	TRANSISTOR DTC124ES	
D1513	8-719-911-55	DIODE U05G		Q1516	8-729-105-73	TRANSISTOR 2SK523-L2	
D1514	8-719-911-55	DIODE U05G		Q1517	8-729-900-36	TRANSISTOR DTC124ES	
D1516	8-759-157-40	DIODE UPC574J		Q1518	8-729-900-36	TRANSISTOR DTC124ES	
D1517	8-719-918-77	DIODE V19G		Q1519	8-729-178-54	TRANSISTOR 2SC2785	
D1518	8-719-918-77	DIODE V19G		Q1520	8-729-178-54	TRANSISTOR 2SC2785	
D1521	8-719-911-19	DIODE 1SS119		Q1521	8-729-117-54	TRANSISTOR 2SA1175	
D1522	8-719-000-12	DIODE MC931		Q1522	8-729-177-43	TRANSISTOR 2SD774	
		FUSE		Q1523	8-729-103-43	TRANSISTOR 2SB734	
F501	A.1-532-285-11	FUSE, TIME-LAG 1.25A/250V				RESISTOR	
	*1-533-189-11	HOLDER, FUSE; F501		R501	1-247-725-11	CARBON	10K 5% 1/4W
		IC		R503	1-249-422-11	CARBON	2.7K 5% 1/6W
IC501	8-759-100-60	IC UPC1377C		R504	1-249-411-11	CARBON	330 5% 1/6W
IC502	8-759-170-12	IC UPC78M12H		R505	1-247-702-11	CARBON	150 5% 1/4W
IC551	8-759-105-82	IC UPC1378H-P		R506	1-247-700-11	CARBON	100 5% 1/4W
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; IC551		R507	1-246-536-00	CARBON	430K 5% 1/4W
IC552	8-759-145-58	IC UPC4558C		R508	1-249-462-11	CARBON	22K 5% 1/4W
IC1510	8-759-145-58	IC UPC4558C		R509	1-249-433-11	CARBON	22K 5% 1/6W
IC1511	8-759-145-58	IC UPC4558C		R510	1-247-881-00	CARBON	120K 5% 1/6W
IC1512	8-759-909-70	IC CX23025		R511	1-247-868-00	CARBON	36K 5% 1/6W
		COIL		R512	1-249-411-11	CARBON	330 5% 1/6W
L551	1-459-678-11	HLC		R513	1-249-468-11	CARBON	82K 5% 1/4W
L552	1-459-390-00	COIL (WITH CORE)		R514	1-247-723-11	CARBON	6.8K 5% 1/4W
L555	1-408-227-00	MICRO INDUCTOR 470UH		R515	1-249-459-11	CARBON	12K 5% 1/4W
L556	1-407-699-00	MICRO INDUCTOR 33UH		R516	1-249-435-11	CARBON	33K 5% 1/6W
L557	1-459-407-00	COIL, FERRITE CHOKE		R517	1-249-407-11	CARBON	150 5% 1/6W
L558	1-407-365-00	COIL, CHOKE		R518	1-247-701-11	CARBON	120 5% 1/4W
L559	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		R519	1-247-849-00	CARBON	5.6K 5% 1/6W
L560	1-407-695-00	MICRO INDUCTOR 15UH		R520	1-249-419-11	CARBON	1.5K 5% 1/6W
L562	1-408-239-00	MICRO INDUCTOR 4.7MMH		R521	1-249-417-11	CARBON	1K 5% 1/6W
L563	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R522	1-249-439-11	CARBON	68K 5% 1/6W

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

D

D HD HCK

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R523	1-215-447-00	METAL	12K 1% 1/6W	R583	1-249-433-11	CARBON	22K 5% 1/6W	R1547	1-249-429-11	CARBON	10K 5% 1/6W	*A-1375-066-A	HC BOARD, COMPLETE	*****	
R524	1-214-756-00	METAL	13K 1% 1/4W	R584	1-246-511-00	CARBON	39K 5% 1/4W	R1548	1-215-493-00	CARBON	1M 5% 1/6W	C982	1-130-023-00	FILM	0.0027MF 5% 50V
R525	1-249-429-11	CARBON	10K 5% 1/6W	R585	1-247-719-11	CARBON	3.3K 5% 1/4W	R1550	1-247-895-00	CARBON	470K 5% 1/6W	C983	1-130-028-00	FILM	0.0068MF 5% 50V
R526	1-215-876-00	METAL OXIDE	15K 5% 1W	R586	1-249-428-11	CARBON	8.2K 5% 1/6W	R1551	1-249-437-11	CARBON	47K 5% 1/6W	C984	1-108-837-00	MYLAR	0.01MF 10% 50V
R527	1-249-412-11	CARBON	390 5% 1/6W	R587	1-246-523-00	CARBON	120K 5% 1/4W	R1552	1-247-849-00	CARBON	5.6K 5% 1/6W	C985	1-123-617-00	ELECT	10MF 20% 16V
R528	1-249-405-11	CARBON	100 5% 1/6W	R588	1-249-422-11	CARBON	2.7K 5% 1/6W	R1553	1-247-881-00	CARBON	120K 5% 1/6W	C986	1-123-356-00	ELECT	10MF 20% 25V
R529	1-214-743-00	METAL	3.9K 1% 1/4W	R589	1-249-424-11	CARBON	3.9K 5% 1/6W	R1558	1-247-887-00	CARBON	220K 5% 1/6W				
R530	1-214-753-00	METAL	10K 1% 1/4W	R590	1-249-421-11	CARBON	2.2K 5% 1/6W	R1559	1-249-441-11	CARBON	100K 5% 1/6W				
R534	1-214-747-00	METAL	5.6K 1% 1/4W	R592	1-215-871-11	METAL OXIDE	2.2K 5% 1W	R1560	1-249-419-11	CARBON	1.5K 5% 1/6W				
R535	1-249-424-11	CARBON	3.9K 5% 1/6W	R593	1-249-417-11	CARBON	1K 5% 1/6W	R1561	1-249-435-11	CARBON	33K 5% 1/6W				
R536	1-247-849-00	CARBON	5.6K 5% 1/6W	R594	1-249-435-11	CARBON	33K 5% 1/6W	R1562	1-249-440-11	CARBON	82K 5% 1/6W				
R537	1-249-429-11	CARBON	10K 5% 1/6W	R595	1-249-421-11	CARBON	2.2K 5% 1/6W	R1563	1-249-409-11	CARBON	220 5% 1/6W	D971	8-719-109-85	DIODE RD5.1ES-B2	
R538	1-216-350-11	METAL OXIDE	1.2 5% 1W	R596	1-249-420-11	CARBON	1.8K 5% 1/6W	R1565	1-216-349-00	METAL OXIDE	1 5% 1W				
R539	1-249-413-11	CARBON	470 5% 1/6W	R597	1-249-409-11	CARBON	220 5% 1/6W	R1566	1-216-430-11	METAL OXIDE	390 5% 1W				
R540	1-247-872-00	CARBON	51K 5% 1/6W	R598	1-246-525-00	CARBON	150K 5% 1/4W	R1567	1-216-430-11	METAL OXIDE	390 5% 1W				
R541	1-249-429-11	CARBON	10K 5% 1/6W	R599	1-249-431-11	CARBON	15K 5% 1/6W	R1568	1-249-419-11	CARBON	1.5K 5% 1/6W	HC1	*1-566-057-11	PIN, CONNECTOR 5P	
R542	1-214-779-00	METAL	120K 1% 1/4W	R1501	1-215-469-00	METAL	100K 1% 1/6W	R1569	1-249-417-11	CARBON	1K 5% 1/6W	HC2	*1-566-056-11	PIN, CONNECTOR 4P	
R543	1-215-493-00	CARBON	1M 5% 1/6W	R1502	1-215-451-00	METAL	18K 1% 1/6W	R1570	1-249-382-11	CARBON	1.2 5% 1/6W	HC3	*1-566-054-11	PIN, CONNECTOR 2P	
R544	1-214-781-00	METAL	150K 1% 1/4W	R1503	1-247-722-11	CARBON	5.6K 5% 1/4W	R1571	1-249-382-11	CARBON	1.2 5% 1/6W	HC4	*1-566-054-11	PIN, CONNECTOR 2P	
R545	1-214-765-00	METAL	33K 1% 1/4W	R1505	1-215-869-11	METAL OXIDE	1K 5% 1W	R1572	1-247-883-00	CARBON	150K 5% 1/6W				
R546	1-249-424-11	CARBON	3.9K 5% 1/6W	R1510	1-249-429-11	CARBON	10K 5% 1/6W	R1573	1-247-773-00	CARBON	3.9 5% 1/6W	IC985	8-759-933-23	IC BA236	
R547	1-249-429-11	CARBON	10K 5% 1/6W	R1511	1-249-437-11	CARBON	47K 5% 1/6W	R1583	1-249-429-11	CARBON	10K 5% 1/6W				
R548	1-249-421-11	CARBON	2.2K 5% 1/6W	R1515	1-249-429-11	CARBON	10K 5% 1/6W	R1584	1-249-413-11	CARBON	470 5% 1/6W				
R549	1-247-704-11	CARBON	220 5% 1/4W	R1516	1-249-433-11	CARBON	22K 5% 1/6W	R1585	1-249-417-11	CARBON	1K 5% 1/6W				
R551	1-214-681-00	METAL	10 1% 1/4W	R1517	1-249-430-11	CARBON	12K 5% 1/6W	R1586	1-247-713-11	CARBON	1K 5% 1/4W	R982	1-249-429-11	CARBON	10K 5% 1/6W
R553	1-247-746-11	CARBON	390 5% 1/2W	R1518	1-249-425-11	CARBON	4.7K 5% 1/6W	R1587	1-249-424-11	CARBON	3.9K 5% 1/6W	R983	1-249-417-11	CARBON	1K 5% 1/6W
R554	1-246-533-00	CARBON	330K 5% 1/4W	R1519	1-249-429-11	CARBON	10K 5% 1/6W	R1588	1-249-416-11	CARBON	820 5% 1/6W	R984	1-249-429-11	CARBON	10K 5% 1/6W
R555	1-249-431-11	CARBON	15K 5% 1/6W	R1520	1-247-895-00	CARBON	470K 5% 1/6W					R985	1-249-417-11	CARBON	1K 5% 1/6W
R556	1-246-523-00	CARBON	120K 5% 1/4W	R1521	1-249-429-11	CARBON	10K 5% 1/6W					R986	1-249-429-11	CARBON	10K 5% 1/6W
R557	1-249-432-11	CARBON	18K 5% 1/6W	R1522	1-249-409-11	CARBON	220 5% 1/6W	RV501	1-228-723-00	RES, ADJ, CERAMIC	4.7K	R988	1-249-405-11	CARBON	100 5% 1/6W
R558	1-249-437-11	CARBON	47K 5% 1/6W	R1523	1-249-441-11	CARBON	100K 5% 1/6W	RV503	1-228-717-00	RES, ADJ, CERAMIC	220	R989	1-249-417-11	CARBON	1K 5% 1/6W
R559	1-215-479-00	CARBON	270K 5% 1/6W	R1524	1-249-437-11	CARBON	47K 5% 1/6W	RV509	1-224-249-XX	RES, ADJ, METAL GLAZE	1K	R990	1-249-432-11	CARBON	18K 5% 1/6W
R560	1-247-895-00	CARBON	470K 5% 1/6W	R1525	1-249-425-11	CARBON	4.7K 5% 1/6W	RV552	1-228-725-00	RES, ADJ, CERAMIC	22K	R991	1-249-408-11	CARBON	180 5% 1/6W
R561	1-249-429-11	CARBON	10K 5% 1/6W	R1526	1-249-435-11	CARBON	33K 5% 1/6W	RV553	1-228-720-00	RES, ADJ, CERAMIC	1K	R992	1-249-427-11	CARBON	6.8K 5% 1/6W
R562	1-249-425-11	CARBON	4.7K 5% 1/6W	R1527	1-249-421-11	CARBON	2.2K 5% 1/6W	RV554	1-228-727-00	RES, ADJ, CERAMIC	47K	R993	1-249-418-11	CARBON	1.2K 5% 1/6W
R564	1-247-719-11	CARBON	3.3K 5% 1/4W	R1528	1-249-438-11	CARBON	56K 5% 1/6W	RV555	1-228-722-00	RES, ADJ, CERAMIC	3.3K	R994	1-249-420-11	CARBON	1.8K 5% 1/6W
R565	1-216-428-00	METAL OXIDE	180 5% 1W	R1529	1-249-431-11	CARBON	15K 5% 1/6W								
R567	1-249-429-11	CARBON	10K 5% 1/6W	R1530	1-249-423-11	CARBON	3.3K 5% 1/6W	SG551	1-519-063-XX	DISCHARGING GAP					
R568	1-247-715-11	CARBON	1.5K 5% 1/4W	R1532	1-249-431-11	CARBON	15K 5% 1/6W								
R569	1-249-410-11	CARBON	270 5% 1/6W	R1533</td											

PVM-2130QM
RM-668

PVM-2130QM
RM-668

K HA

HA **HB**

N

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	*9-990-898-01	N BOARD (KEY BOARD UNIT B) *****	
		IC	
IC935	8-741-138-70	IC BX1387 (DETECTOR)	

		MISCELLANEOUS *****	
T604	△.1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE	
	△.1-426-315-11	COIL, DEMAGNETIZATION	
	△.1-439-372-32	TRANSFORMER ASSY, FLYBACK	
	△.1-451-295-11	DEFLECTION YOKE (SY-153E)	
	1-452-032-00	MAGNET, DISK; 10MM Ø	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
	1-452-277-00	MAGNET, BMC	
	1-464-803-11	KEY BOARD UNIT (A)	
	1-464-804-11	KEY BOARD UNIT (B)	
	△.1-534-820-13	POWER CORD (AEP,AUS ONLY)	
	△.1-559-409-11	CORD,POWER (WG ONLY)	
S901	△.1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
V901	△.8-736-955-05	PICTURE TUBE (A51JKQ10X)	

ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
A-1470-789-A	COMMANDER ASSY (RM-668)	
*4-377-015-01	BAG, PROTECTION	
*4-382-067-01	CUSHION (UPPER) (ASSY)	
*4-382-068-01	CUSHION (LOWER) (ASSY)	
*4-383-143-01	INDIVIDUAL CARTON	
4-482-400-11	MANUAL, INSTRUCTION	

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

PVM-2130QM
RM-668

Sony Corporation

TV Group

— 90 —

9-963-818-01

87EE0214-1
Printed in Japan
© 1987. 5